

INFORMATION REPORT INFORMATION REPORT

CENTRAL INTELLIGENCE AGENCY

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C-O-N-F-I-D-E-N-T-I-A-L

25X1

COUNTRY China

REPORT

SUBJECT Chinese Communist Export Catalogs

DATE DISTR. 14 October 1957

NO. PAGES 2

REQUIREMENT NO. RD

REFERENCES

25X1

ENCLOSURE ATTACHED
PLEASE ROUTE

DATE OF INFO.

PLACE & DATE ACQ.

25X1

SOURCE EVALUATIONS ARE DEFINITIVE

- a. Items offered by the China National Instruments Import Corporation (CNIIC):

DKZ-20 interdepartment dispatching telephone switchboard (folder, in English)
C-24 C. B. and automatic desk type telephone sets (folder, in English)
Chinese typewriter, Wan Neng (5502/5174) brand (instruction booklet, in Chinese, illustrated)
Portable Kelvin bridge, Type 101 (instruction manual, in English)
Photoelectric colorimeter, Model 93B (leaflet, in English)
Battery-operated radio receiver (leaflet, in English)
"Friendship" brand radio-phonograph combination, Model 722-551 (folder, in English)
Automatic record changer, Model "54" (folder, in English and Chinese)
Record player, Model 56-1 (leaflet, in English and Chinese)
Terrestrial globe (leaflet, in English and Chinese)
ZIN-E-TONE adjustable hearing aid (operation and maintenance instructions, folder, in English)
TLO-60 alarm receiving board, radiation type (folder, in English)

- b. Items offered by the China National Transport Machinery Import Corporation (CNTMIC):

Rubber mixing mill (leaflet, in English and Chinese)
Full circle tire retreading machine, Model TR (leaflet, in English)
Stud making machines (leaflet, in English)
Engraving instrument (leaflet, in English)

- c. Chemicals offered by the China National Import and Export Corporation (CNIEC), for which inquiries were to be addressed to CNIEC, Tientsin: chromic acid, phosphoric acid; sodium sulfide, anhydrous sodium sulfate; carbolic acid (phenol), cresylic acid (three leaflets, in Chinese and English).

C-O-N-F-I-D-E-N-T-I-A-L

25X1

STATE	X ARMY	X NAVY	X AIR	X FBI	AEC	BFC	X Treas	X
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(Note: Washington distribution indicated by "A"; field distribution by "#")

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INFORMATION REPORT INFORMATION REPORT

Batch # 10-17-31

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d. Items offered by the China National Sundries Export Corporation (CNSEC):

Gramophone, Model 102 (leaflet, in English)
"Electrician" fluorescent tubes (leaflet, in English)
"Wha Teh" (Hua Te, 5478/1795) electric bulbs (folder, in English)
Aurora fire extinguishers (folder, in English)
Diamond brand pliers (folder, in English)
Unique brand screw drivers (folder, in English)
Galvanized iron wire (folder, in Chinese and English)
Iron wire nails (folder, in Chinese and English)
Countersunk head wood screws (folder, in Chinese and English)
Iron butts (folder, in English)
HERO brand spring hinges, single-action (leaflet, in English)
HERO brand spring hinges, double-action (leaflet, in English)
Iron hinges and tower bolts (folder, in Chinese and English)
Iron tower bolts (folder, in English)
Whippet door locks (folder, in English)
Lion brand door pulls (leaflet, in Chinese and English)
"Yung Sun" (Yung Sheng, 3057/3932) brand bronze-plated inside door locks
(leaflet, in English)

Attachments, unclassified when detached from this report

25X1

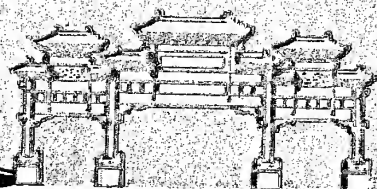
C-O-N-F-I-D-E-N-T-I-A-L
NOFORN/CONTINUED CONTROL

中国木螺丝

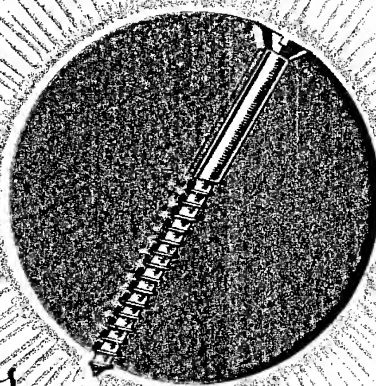
COUNTERSUNK HEAD
WOOD SCREWS

中国杂品出口公司

**CHINA NATIONAL
SUNDRIES EXPORT
CORPORATION**



*Best Quality
Countersunk
Wood Screws*



CHINESE MILD STEEL WOOD SCREWS

Manufactured of the choicest material

Sturdy Countersunk Heads

Deep Slot — Even Threads

Straight Body

Sharp Gimlet Point

Enquiries & Orders Cordially Invited.

中国木罗絲品質優良，制品精细，平头坚固，槽深头尖，钉身硬直，欢迎采用。

铁平头木罗丝

BRIGHT MILD STEEL COUNTERSUNK HEAD WOOD SCREWS

規格 SPECIFICATIONS		包裝 PACKINGS		
長度 LENGTH	號碼 NO. CO.	每箱 PER CARTON	每包 PER PACKAGE	每箱 PER CASE
$\frac{3}{8}$ "	2-3	1 GROSS	10 GROSS	1000 GROSS
$\frac{1}{2}$ "	3-6	1 "	10 "	500 "
$\frac{5}{8}$ "	4-8	1 "	10 "	500 "
$\frac{3}{4}$ "	4-6	1 "	10 "	400 "
$\frac{5}{4}$ "	7-8	1 "	10 "	300 "
$\frac{7}{8}$ "	4-8	1 "	10 "	300 "
1"	5-9	1 "	5 "	200 "
1"	10-12	1 "	5 "	100 "
1 $\frac{1}{4}$ "	6-8	1 "	5 "	200 "
1 $\frac{1}{4}$ "	9-12	1 "	5 "	100 "
1 $\frac{1}{2}$ "	6-12	1 "		100 "
1 $\frac{3}{4}$ "	8-12	1 "		100 "
2"	6-8	1 "		100 "
2"	9-12	1 "		50 "
2 $\frac{1}{2}$ "	8-12	1 "		50 "
3"	10-14	1 "		40 "

中國雜品出口公司

總公司：中國北京東四九條胡同(甲) 32 號。
分公司 中國天津大沽中路 114 號。

電報掛號 "SUNDRY" 北京
電報掛號 "SUNDRY" 天津

CHINA NATIONAL SUNDRIES EXPORT CORPORATION

HEAD OFFICE: 32/A CHIUTIAO HUTUNG EAST CITY, PEKING, CHINA. CABLE ADDRESS: "SUNDRY" PEKING

BRANCH OFFICE: 114 TAKU ROAD C. TIENTSIN, CHINA. CABLE ADDRESS: "SUNDRY" TIENTSIN

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中國雜品出口公司

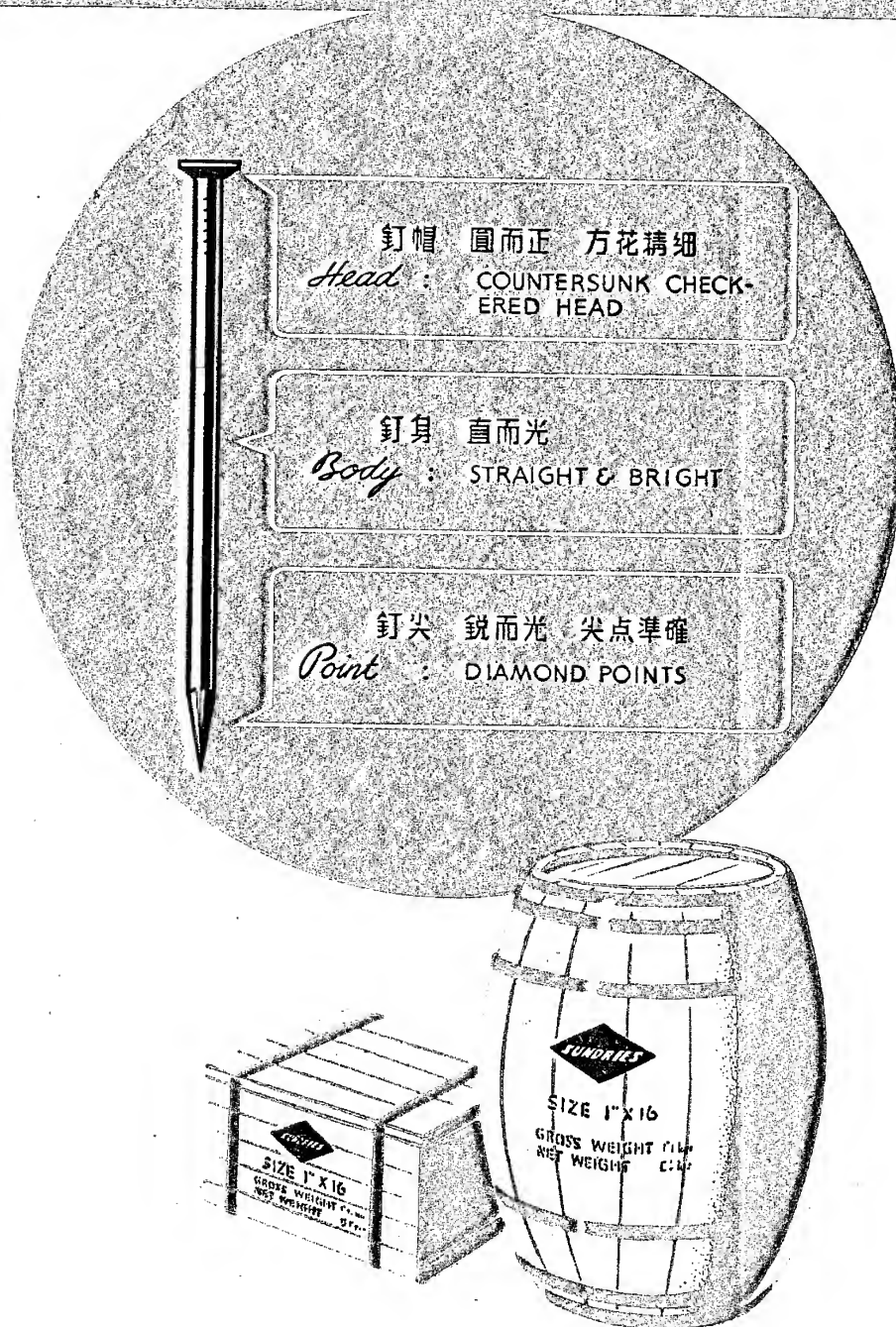
CHINA NATIONAL SUNDRIES EXPORT CORP.

鐵

釘

係以中國自產盤條用電氣化機器
所精製具有下列各項優點：——

COMMON ROUND NAILS are made of Iron
Rods of Chinese origin by power-driven
automatic machineries and possess the
following features:



釘帽 圓而正 方花精細

Head : COUNTERSUNK CHECK-
ERED HEAD

釘身 直而光

Body : STRAIGHT & BRIGHT

釘尖 銳而光 尖點準確

Point : DIAMOND POINTS

鐵 釘

IRON WIRE NAILS

尺 寸 鐵 治 号 INCHES BWG.	包 裝 PACKING	
	每 桶 淨 重 PER KEG NET WEIGHT 公 斤 (KILOS)	每 箱 淨 重 PER CASE NET WEIGHT 公 斤 (KILOS)
1/2" X 19	60	21 1/2
5/8" X 18	60	21 1/2
3/4" X 17	60	21 1/2
1" X 16	60	21 1/2
1-1/4" X 15	60	21 1/2
1-1/2" X 14	60	21 1/2
1-3/4" X 13	60	21 1/2
2" X 12	60	21 1/2
2-1/2" X 11	60	21 1/2
3" X 10	60	21 1/2
3-1/2" X 9	60	21 1/2
4" X 8	60	21 1/2
4-1/2" X 7	60	21 1/2
5" X 6	60	21 1/2
6" X 5	60	21 1/2

尺寸繁多不及備載
OTHER SIZES UPON APPLICATION

中國雜品出口公司

總公司：中國北京東四九條胡同（甲）32號。 電報掛號“SUNDRY”北京
分公司 中國天津大沽中路114號。 電報掛號“SUNDRY”天津

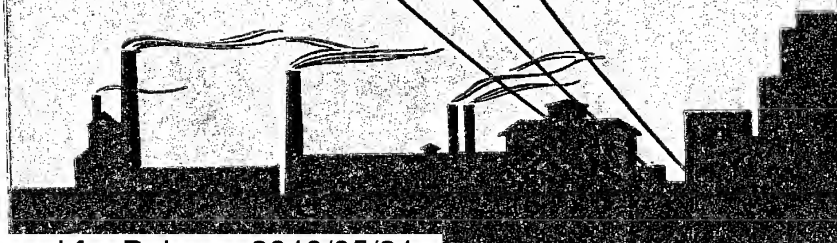
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GALVANIZED IRON

Wire

中國鐵絲網



規 格
SPECIFICATIONS

BWG NO.	直 徑 DIAMETER	
	規 格 M/M	公差 TOLERANCE
8	4.191	± 0.08
10	3.404	± 0.06
12	2.765	± 0.06
14	2.108	± 0.05
16	1.951	± 0.05
18	1.245	± 0.04
20	0.885	± 0.03
22	0.711	± 0.02
24	0.559	± 0.02

我們的 **鐵 絲**

已大量行銷各地博得世界各地市場
之好評 價廉物美 質地柔韌

1 色 澤 光 亮

2 鍍 鋅 均 勻

3 扭 力 強 大

4 抗 銹 力 強

歡迎採購一定可獲得貴客之滿意

GALVANIZED IRON WIRE

WINS VERY HIGH REPUTATION WHERE-
EVER IT GOES

FINE QUALITY AT REASONABLE PRICE

BRIGHT & EVEN ZINC-COATING

STRONG TORSION FORCE

STANDARD TENSILE STRENGTH

STURDY RUST-RESISTING POWER

YOUR ENQUIRIES AND ORDERS
ARE CORDIALLY INVITED ANY
TRANSACTION WILL PROVE
AN ENTIRE SATISFACTION
TO YOU

CHINA NATIONAL SUNDRIES EXPORT CORPORATION

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中國雜品出口公司

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分公司：中國天津大沽中路 114 號。 電報掛號 "SUNDRY" 天津

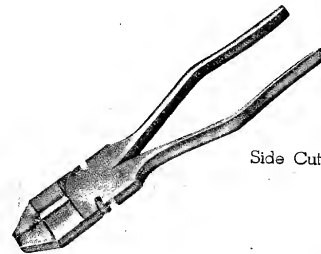
鐵鉗

TRADE MARK

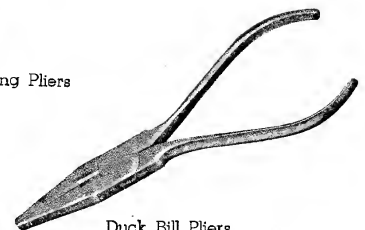
**DIAMOND
PLIERS**

中國雜品出口公司
CHINA NATIONAL SUNDRIES EXPORT CORPORATION

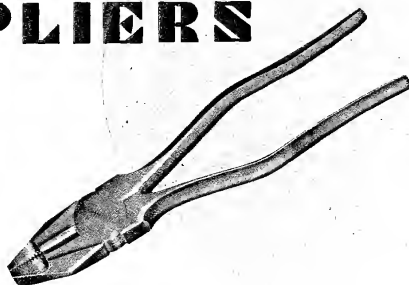
DIAMOND PLIERS



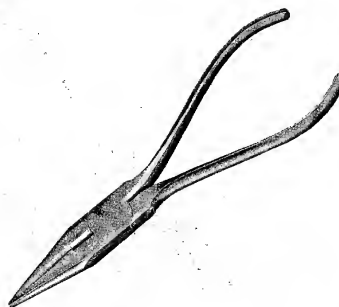
Side Cutting Pliers



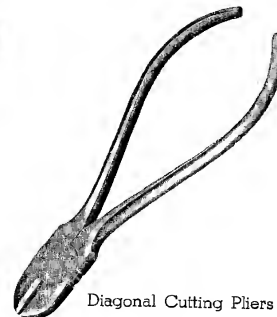
Duck Bill Pliers



Cable Pliers



Long Nose Pliers



Diagonal Cutting Pliers

Please note the specifications etc. described on the back of this leaflet.



Particulars about Specification, Packing & Measurement

Art. No.	Name	Specifi- cation	Content per case	Gross weight (kg.)	Measurements of case
TA2/0013	Duck Bill Pliers	6"	8 doz.	21	21 ½"×8 ½"×8 ½"
TA2/0017	Side Cutting Pliers	6"	8 doz.	27	19"×9 ½"×9"
TA2/0018	Side Cutting Pliers	7"	8 doz.	35 ½	19 ½"×9 ½"×11"
TA2/0019	Side Cutting Pliers	8"	8 doz.	47 ½	22 ½"×10 ½"×11"
TA2/0022	Cable Pliers	6"	8 doz.	27	19"×9 ½"×9"
TA2/0023	Cable Pliers	7"	8 doz.	35 ½	19 ½"×9 ½"×11"
TA2/0024	Cable Pliers	8"	8 doz.	47 ½	22 ½"×10 ½"×11"
TA2/0028	Long Nose Pliers	6"	8 doz.	19	21 ½"×8 ½"×8 ½"
TA2/0033	Diagonal Cutting Pliers	6"	8 doz.	21	21 ½"×8 ½"×8 ½"

中國雜品出口公司

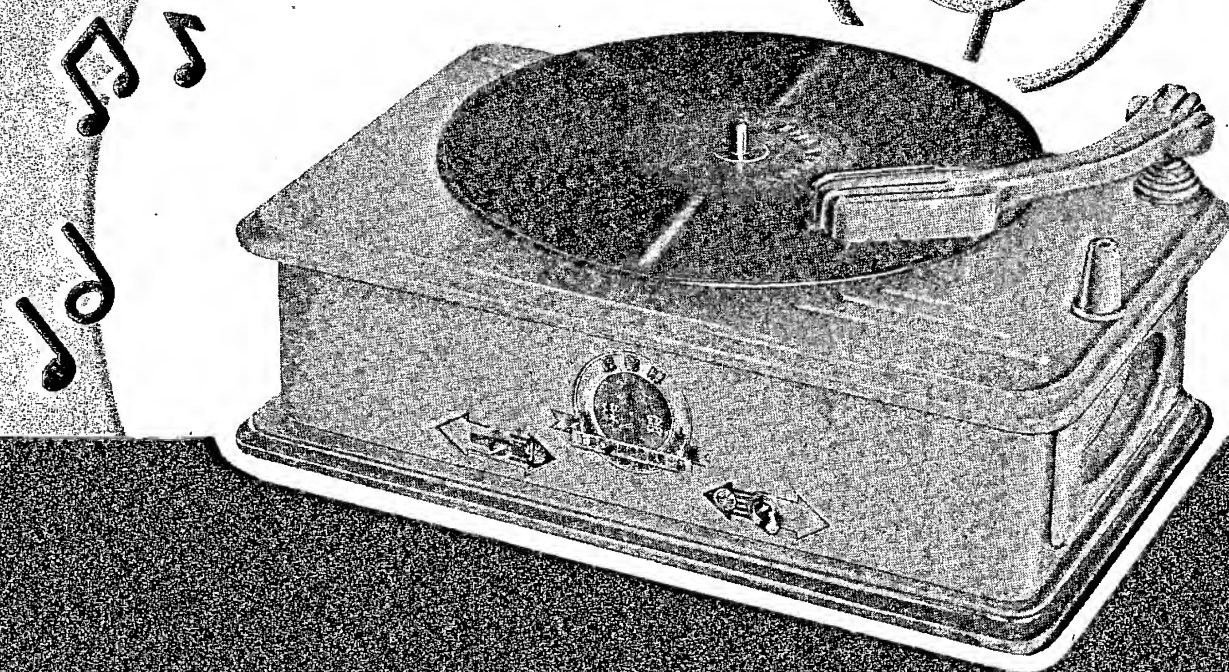
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Cable Address: "SUNDRY" Peking

Shanghai Branch: 27 Chung Shan Road E1, Shanghai, China

Cable Address: "SUNDRY" Shanghai



MODEL 56-1 RECORD PLAYER

中國儀器進口公司

CHINA NATIONAL INSTRUMENTS IMPORT CORPORATION

(IMPORTERS & EXPORTERS)

MODEL 56-1 RECORD PLAYER

When and where record entertainment is required, this smartly built Record Player is ideal to meet the demand. Its super sensitive magnetic pickup ($2500 \pm 5\%$ ohms) reproduces the full tone-quality of 10" or 12" records. The pickup arm, with a counter weight located at the base end, reduces the pressure of the needle, thus minimizing wear and tear of the record. An idler, rotating perpendicularly to the turntable and providing adjustable speed within a range of 70-90 R.P.M., is motivated by a single phase motor, which operates on either 110 V. or 220 V., 50 cycles.

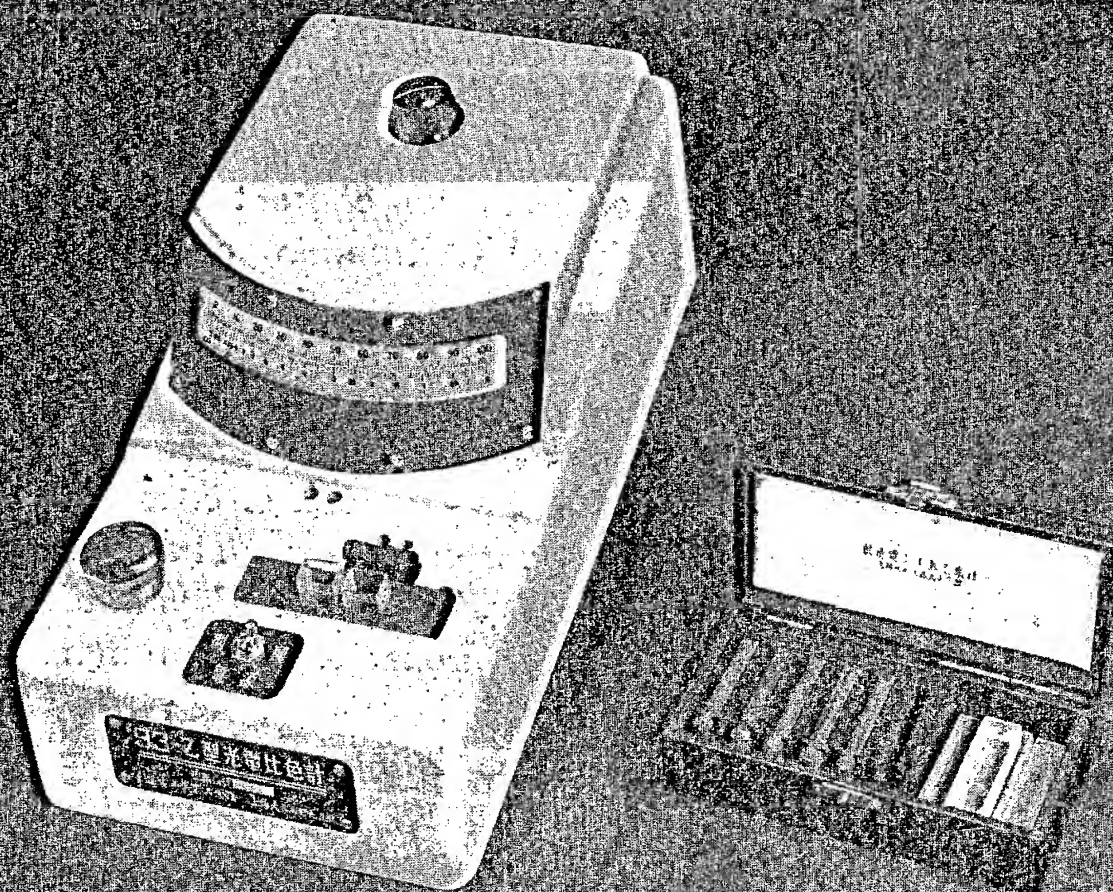
Dimension: 35 × 22 × 16 cm.

56—1 型 電 唱 機

56—1 型電唱機是一架輕巧靈便，美觀大方，適宜家庭與收音機配合使用的電唱機，唱盤旋轉平穩，可調節轉速每分鐘自70—90轉，單相交流馬達，經久耐用，永磁動圈式唱頭靈敏度很高，不受潮濕的影響，10吋12吋標準唱片均可使用，電源110伏或220伏50週秒。

PHOTOELECTRIC COLORIMETER

MODEL 93B



中國儀器進口公司

CHINA NATIONAL INSTRUMENTS IMPORT CORPORATION

(IMPORTERS & EXPORTERS)

PHOTO ELECTRIC COLORIMETER MODEL 93B

The Photo Electric Colorimeter Model 93B embodies the most recent improvements in design for efficiency, compactness and economy. This instrument is extremely simple to use and is easily standardized by reading the transmittancies of a number of solution of predetermined concentrations prepared in accordance with a specific chemical procedure. These readings, when plotted on a semilogarithmic scale against the known concentration on a linear scale, yield an analytical (calibration) curve or standard against which the unknown solutions of that technique may be compared.

This instrument is designed to work either from a 6 volt battery or direct from a 220-250 volt a. c. mains supply through a constant voltage transformer. The light passes through an absorption cell with an optical path of 10 mm., which holds the solution under test. Through the selected filter the transmitted light reaches the photo-cell, the output current of which is indicated on the galvanometer.

The galvanometer is calibrated with a linear scale 0-100 underneath which is a logarithmic scale for calculation of optical density. A set of six filters is supplied.



Battery Operated Radio Receiver.

中國儀器進口公司
CHINA NATIONAL INSTRUMENTS IMPORT CORPORATION
(IMPORTERS & EXPORTERS)

2-VALVE BATTERY OPERATED RADIO RECEIVER

Specifications :

1. Valves: 1S5 Regenerative Detector
3S4 Audio amp.
2. Frequency Range:
550-1600 Kc.
3. Battery Used:
"A" battery: 1.5V
"B" battery: operating on 45V, 67.5V
or 90V.

Features :

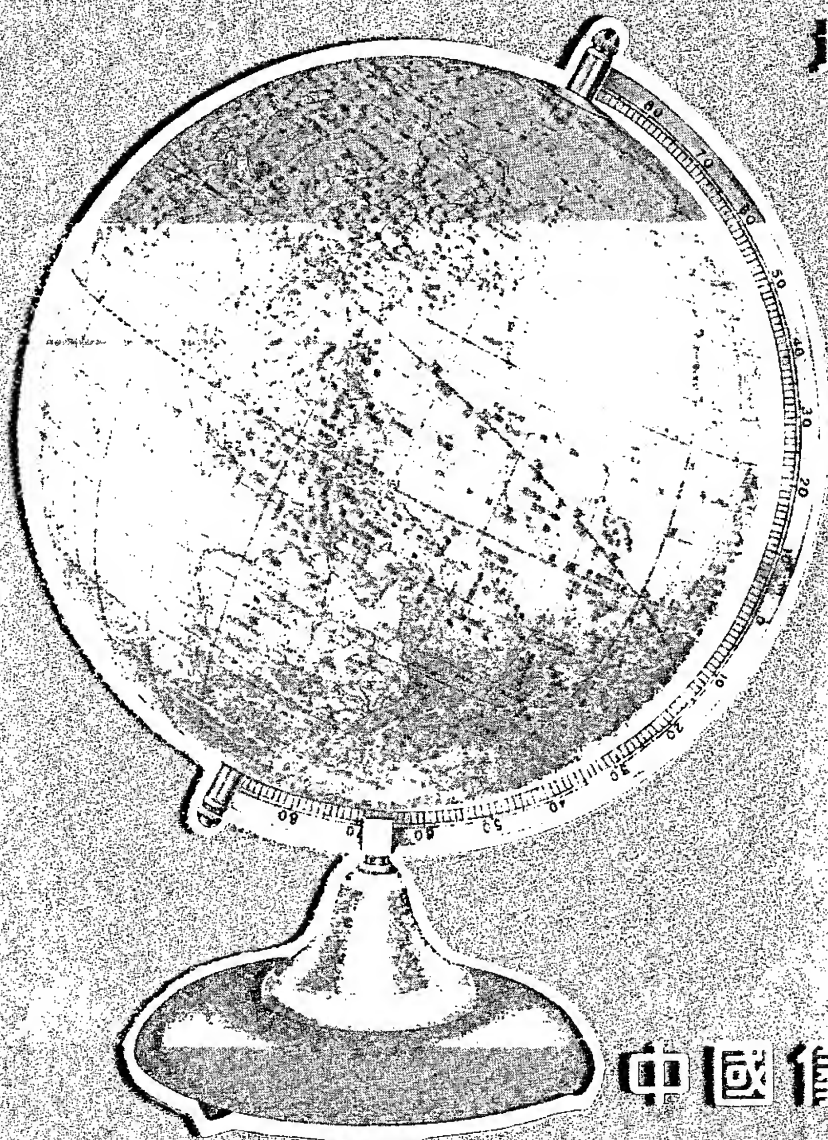
Economical in consumption of battery, High Sensitivity, Easy Tuning, Excellent Appearance and Strong Volume.

These receivers are most useful for villages, suburbs or other places where no electrical power supply is available.

1. 品名：乾電池雙管收音機（不附帶電池）。
2. 規格：再生式檢波一極低週波放大，甲電1.5伏，乙電45伏。
3. 說明：在無電地區，如農村曠野使用非常方便，收程遠能聽550至1600千週波，省電，靈敏度高，調節便利，電壓67.5V故用45V或90V乾電池均可，收聽機內燈管為(1S5)及(3S4)各1只，外表美觀聲音充沛。

TERRESTRIAL GLOBE

地球儀



中國儀器進口公司

CHINA NATIONAL INSTRUMENTS IMPORT CORPORATION

(IMPORTERS & EXPORTERS)

TERRESTRIAL GLOBE

Radius vernier type, with wooden stand reinforced by metallic supports. The surface of the globe was printed in technical colors, important cities and communication lines of the world are prominently demonstrated. Best suitable for schools, offices and families.

With various sizes of 25 cm., 30 cm. and 35 cm.

地 球 儀

國產半徑標尺式地球儀，具有金屬及木盤座架，球面五彩印刷，着重顯示世界交通綫及各國主要城市，最適宜學校教學，辦公室及家庭應用，備有25公分，30公分及35公分三種產品，歡迎向我公司批購或向當地經銷書局選購。

Exported by:

CHINA NATIONAL INSTRUMENTS IMPORT CORPORATION

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Er-Li-Kou, Hsi Chiao, Peking, China.

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BRANCH OFFICES:

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TIENTSIN: 171 Kien Shieh Road.

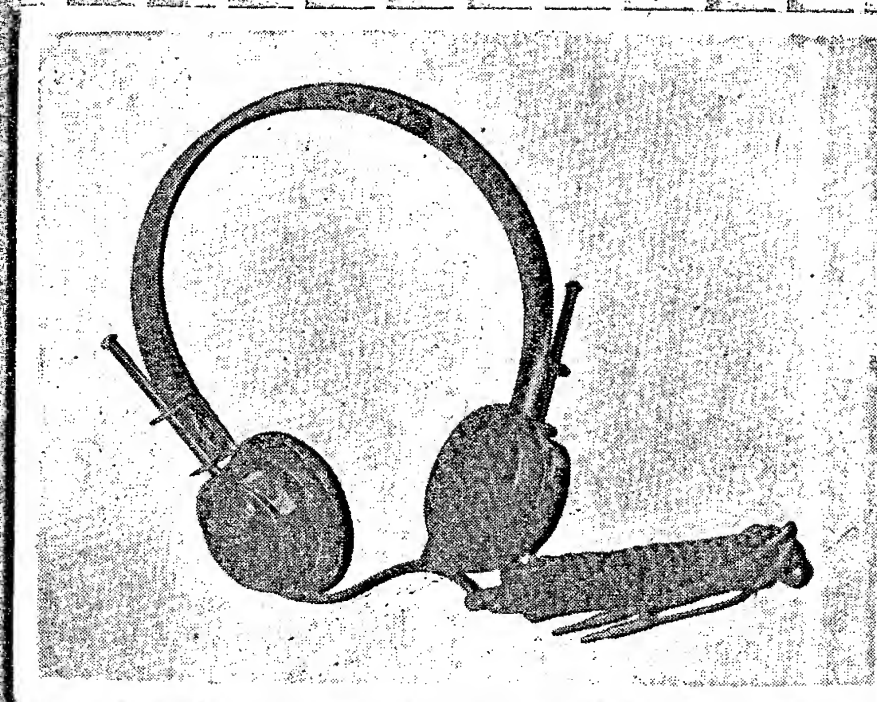
Cable Address: "INSTRIMP"

CANTON: 25 Tai Ping Road, S.

Cable Address: "INSTRIMP"

ZIN-E-TONE

Adjustable Hearing Aid



中國儀器進口公司
CHINA NATIONAL INSTRUMENTS IMPORT CORPORATION
(IMPORTERS & EXPORTERS)

ZIN-E-TONE
Adjustable Hearing Aid
Operation and Maintenance Instructions

Often times a pair of Hearing Aid Apparatus will have a defect of unequal volume of sound to each ear receiver due to the fact that the gap between the magnet and diaphragm is not evenly affixed in proper position. Our ZIN-E-TONE will prevent such defect as having the following features resulting from latest improvements.

1. **ADJUSTABLE SOUND VOLUME** In doing this it is simply to take down from the headband the ear receiver that requires adjustment and loose the adjusting ring or coil (figure B). Then hold that back of the ear receiver with the right hand (figure C) close to your ear and turn the cover of the ear receiver very slowly with the left hand (figure A) in such a way until a pure-tone is reached and keep it in position by tightening the adjustment. In the course of turning caution must be taken, for a quick turn will often damage the diaphragm nor should the turn be too tight, as it will bend the diaphragm being pressed heavily on the magnet, and in no event should the adjustment be loosened again after it has been fixed to avoid any reduction in sound volume. In case the other ear receiver needs adjustment too, the procedure can be repeated as above stated

2. **THE GREATER THE STRENGTH OF THE MAGNET THE LOUDER WILL BE THE TONE** The magnet is made of Aluminum and nickel alloy steel which will give a great magnetic strength, maximum volume of sound, and a long life. The loss of magnetic flux is very little under heavy shock.

3. **FREE ADJUSTMENT** The best feature of our ZIN-E-TONE is the free adjustment of the gap between magnet and diaphragm in giving the volume of sound to its highest point and ensuring a better sensitivity of receptions from any radio receiver even the smallest crystal detector set.

MAINTAINANCE

1. Careful examination and proper adjustment have been ascertained to every piece of our ZIN-E-TONE before leaving factory. It is not advisable to turn the cover of the ear receiver before using, otherwise readjustment would be necessary and improper adjusting might damage the delicate part of the ear receiver sometimes, such as the breakdown of the diaphragm.

2. The handsome outside case of our ZIN-E-TONE is made of moulding bakelite, therefore care must be taken in handling without letting it fall to the ground nor hit it to a hard substance less the bakelite case should be broken and the intensity of sound be gradually diminished.

3. Do not hang the ZIN-E-TONE on wall nor keep it in damp places, otherwise the interior part of the ear receiver will be rusted causing a lower tone, or mould will appear on the moistened coil resulting the break of wire or rather a complete collapse of the apparatus.

4. In using the apparatus, do not twist the cord or else the copper conductor will be broken easily or to cause a "CRACK" sound unpleasant to hearing.

5. In using the apparatus, never take off the cover of the ear receiver nor remove out the diaphragm of its position, because the diaphragm plays always an important part of the whole apparatus in respect of sound intensity, which will be weakened if the diaphragm is not in its flatness. The apparatus should be also put down as gently as possible after using.

CHINA NATIONAL INSTRUMENTS IMPORT CORPORATION

HEAD OFFICE:

Er-Li-Kou, Hsi Chiao, Peking, China.
Cable Address: "INSTRIMPORT"

BRANCH OFFICES:

SHANGHAI: 27 Chungshan Road (E.1).
Cable Address: "INSTRIMP"

TIENTSIN: 171 Kien Shieh Road.
Cable Address: "INSTRIMP"

CANTON: 25 Tai Ping Road, S.
Cable Address: "INSTRIMP"

中國運輸機械進口公司

橡膠混合機

RUBBER MIXING MILL

This machine is sturdily built and is designed for rolling or compounding crude, compounded or reclaimed rubber. It has two parallel steam heated hollow rollers, revolving at varied speeds and are equipped with temperature regulating devices in their interiors. The driving system comprises of electric motor, speed reducing gearing, gears, and clutch. Rollers are made of chilled iron so as to ensure against radial pressure and wear. The space between rollers is adjustable by means of set screw.

Treating capacity	30 to 40 kgs. per hour
Size of Rollers: Diameter...	355 mm. (14")
Length	915 mm. (36")
Speed: Main roller	16 rpm.
Auxiliary roller	12 rpm.
Driving shaft	75 rpm.
Ratio of speed reduction gearing	960:75
Motor: Type	Semi-enclosed type
Power	40 HP
Speed	960 rpm.
Overall dimension (L×W×H)	2680×1640×1060 mm.
Net Weight	4500 kgs. approx.

CHINA NATIONAL TRANSPORT MACHINERY IMPORT CORPORATION

IMPORTERS & EXPORTERS

ER-LI-KOU, HSI-CHAO, PEKING, CHINA

CABLE ADD: TRANSMACH PEKING

整圓輪胎翻制機

FULL CIRCLE TYRE RETREADING MACHINE, Model TR

This equipment retreads all commercial tyre sizes. Old tyres are retreaded by vulcanizing new rubber on to the tread sole which has been previously roughened.

Mould : The top half mould is stationary and supported by the frame. The lower half mould, being hinged to the top half, can be closed by an air cylinder which is operated by air of 12 atm. (180 lbs. per sq. in.) to be furnished by a separate air compressor. Both mould halves are jacketed and heated by means of steam of about 4.4 atm. (65 lbs. per sq. in.)

Matrix : The equipment is furnished with one piece of interchangeable aluminum tyre matrix which is available in different tread designs according to customer's requirement.

The moulds are made in five types each of which is suitable for certain range of sizes of matrices according to following table. Each machine is furnished with one matrix, the size of which is to be stated on order. With each matrix a spacer ring is delivered. The spacer ring enables adjustment of possible difference of tyre sizes.

Vulcanizing Process : When vulcanizing, the mould halves should be securely closed by means of the tightened bolts. The lateral heating of the mould and the high pressure applied to the tyre permit perfect tyre retreading or relining whether from bead to bead or from shoulder to shoulder. Air bags are to be placed inside the tyres when vulcanizing. These air bags have to be adopted to the various tyre sizes and are not supplied with the equipment. Aluminum moulds used for making air bags can be supplied at extra cost.

Normally it takes about $1\frac{1}{2}$ to 2 hours to retread each tyre. Boiler and air compressor plant can be quoted upon request.

Mould No.	Tyre Size Handled	Weight (kg) Net Gross	Shipping Space	Remarks
TR 1	650×16	749 882	86.5×99.0×124.5 cm	Same retreading process can be applied to size 600×16 by changing matrix to suit the size.
TR 2	750×20	933 1165	89.0×124.5×147.0 cm	Same applied to sizes 650×20, 700×20 by changing matrices to suit the sizes.
TR 3	1000×20	1716 1906	91.0×141.0×166.0 cm	Same applied to sizes 825×20, 900×20 by changing matrices to suit the sizes.
TR 4	1200×20	2400 2645	91.4×143.0×176.0 cm	Same applied to sizes 1050×20 1100×20 by changing matrices to suit the sizes.
TR 5	1200×22	2453 2821	91.4×147.0×180.0 cm	

Each machine is supplied with wrench, 1 steam pressure gauge, 1 thermometer. Extra matrix spacers available at additional cost.

CHINA NATIONAL TRANSPORT MACHINERY IMPORT CORPORATION

IMPORTERS & EXPORTERS

ER-LI-KOU, HSI-CHAO, PEKING, CHINA

CABLE ADD: TRANSMACH PEKING

機 鈕 揸

STUD MAKING MACHINES

Name of machine	Spindle speed rpm	Stroke mm	H.P. required	R.P.M.	Overall dimension mm	Weight Kg.	Output per min.
(A) 1	150	29×39	2½	960	1220×1070×2160	1725	750 pcs.
(A) 2	140	39×39	½	960	530×310×770	130	280 pcs.
(B) 1	150	29	2½	960	1220×1070×2160	1700	750 pcs.
(B) 2	150	10×30	2	960	990×690×1710	1400	750 pcs.
(B) 3					390×210×410	17	18 pcs.
(C)	150		½	960	950×690×970	310	600 pcs.
(D)	500		7½			250	

All power driven machines are coupled to the motor by Vee belt.

The name of machine is listed and explained as follow":

NAME OF MACHINE

(A) For Head part of Stud

1. Punch Press for cutting copper or zinc alloy strips into pieces and at the same time bead and sewing holes are formed and edge is turned downward.
2. Press for folding the edge of the stud.

(B) For Spring part of Stud

1. Press for making bead and sewing holes on strips.
2. Punch Press for cutting strips into pieces and at the same time edge is turned upward.
3. Hand driven Press for folding the edge of the Stud and at the same time wire spring is inserted.

(C) Wire Spring Making Machine

- (D) Vertical Air Compressor for the supply of compressed air to each machine to blast scraps from the dies.

CHINA NATIONAL TRANSPORT MACHINERY IMPORT CORPORATION

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ER-LI-KOU, HSI-CHAO, PEKING, CHINA

CABLE ADD: TRANSMACH PEKING

鋼 筆 刻 名 机

ENGRAVING INSTRUMENT

Working Instructions:-

1. Signature specimen Place specimen of signature underneath glass plate (1) and tighten screw.
2. Clamp button Press button (2).
3. Clamp Insert pen and have it held firm by clamp (3).
4. Impression control button Press (4) with left hand finger and hold (5) with right hand. Release left hand finger when encountering broken strokes. When engraving on pen of soft material, moving screw button upward; when engraving on pen of hard material, screw button downward. The impression is thus regulated.
5. Tracer Trace along the signature in concord with the impression control button.
6. Bulb This is intended to improve illumination whenever necessary.
7. Wing screw Loosen this screw to detach the eggshape engraver.
8. Chuck Screw off chuck to replace needle.
9. Big screw
10. Horizontal screw

When big screw becomes loose after repeated use, loosen it first: tighten horizontal screw (10) and then tighten big screw.

TYPE 101



PORTABLE KELVIN BRIDGE

中國儀器進口公司

CHINA NATIONAL INSTRUMENTS IMPORT CORPORATION

(IMPORTERS & EXPORTERS)

INSTRUCTION MANUAL

Portable Kelvin Bridge is a convenient instrument for low-resistance measurement in the range of 0.0001—10 ohms, or for measuring the conductivity of wires.

The circuit diagram of the bridge is as follows:

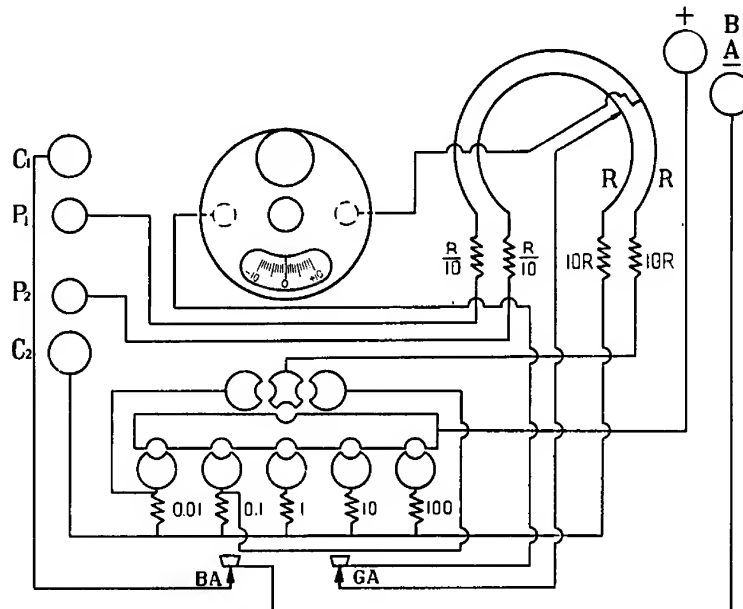


FIG 1

CONSTRUCTION

A knob at right of the panel is used to vary the position of the galvanometer circuit in the double slide wire, and therefore the reading of the dial. The galvanometer is installed at the left of the panel, with a ratio block in the lower part of the meter.

(1) The galvanometer

A zero adjusting cap (7 in fig. 2) is mounted on the upper part of the galvanometer. Care should be taken not to turn violently to avoid damage of the adjuster. A button (9 in fig. 2) is provided to lock the pointer of the galvanometer. To lock the pointer, push the button forward, to unlock, push backward.

(2) Ratio Block

Two plugs are used to change the ratio of the bridge (10 and 11 in fig. 2). Plugs should be pressed firmly to ensure minimum contact resistance.

(3) Slide Wires

The reading dial comprises two slide wires. Turning the knob of the dial will vary the position of the galvanometer in the slide wires.

(4) Keys

Key "G" (6 in fig. 2) may be locked by pressing down and turn clockwise.

Key "B" (5 in fig. 2) cannot be locked.

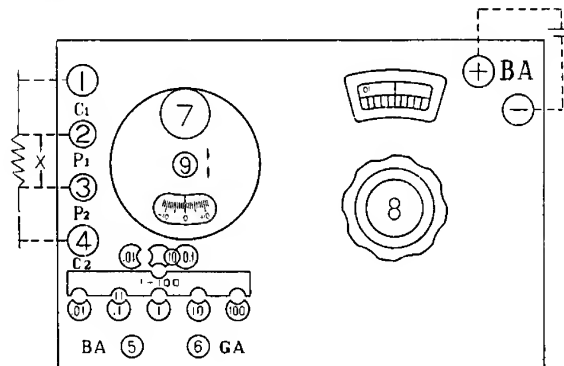


FIG 2

(5) Weight of the instrument approx 3.4 kg.

Dimension shown as follows:

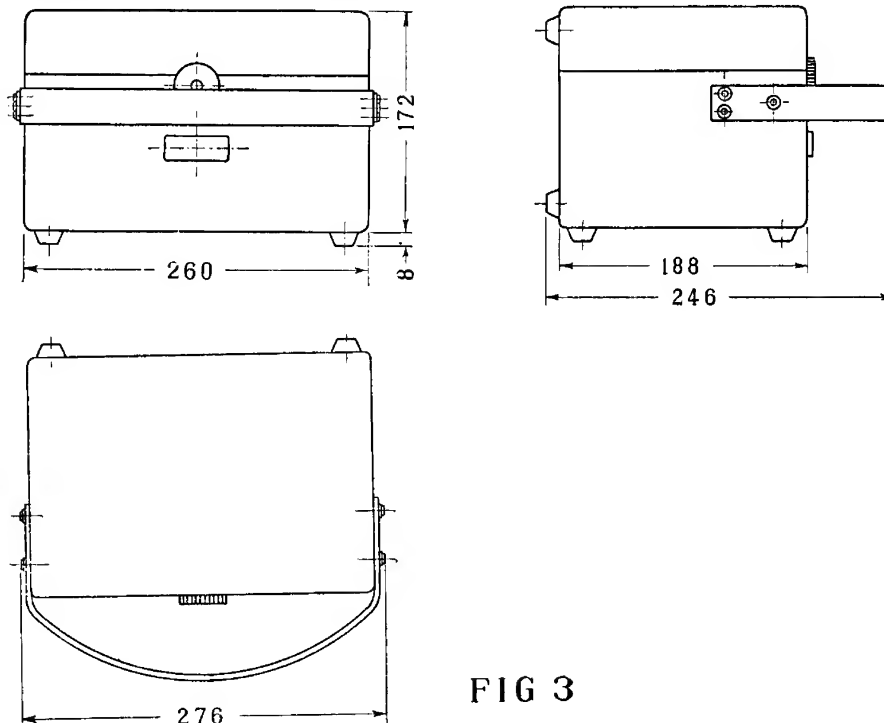


FIG 3

OPERATION

- (1) Resistance lower than one ohm must have four terminals, connect as shown in fig. 2. Posts No. 1 and No. 4 are current terminals, and posts No. 2 and No. 3 are potential terminals. For resistance higher than one ohm, posts No. 1 No. 2, and No. 3 No. 4 may be tied up with a short bus wire respectively, and resistance to be measured is connected to posts No. 2 and No. 3.
- (2) Connect battery to posts "B+" and "B-". Use three 1.5v dry cell (connect in parallel), or one 2v 60Ah storage battery. When measuring low resistance, better use 4v storage battery. Key "B" (5) should not be pressed too long to avoid excessive power consumption.
- (3) Press down key 6 to close the galvanometer circuit. To lock the key, press down and turn clockwise.
- (4) Release the galvanometer lock 9, and turn the zero adjuster 7 until the pointer indicates in the zero position. Set the plugs in the corresponding holes as follows:

Measuring Range	Position of Plug 10	Position of Plug 11
1—10 Ω	1—100	100
0.1—1 Ω	1—100	10
0.01—0.1 Ω	1—100	1
0.001—0.01 Ω	0.1	0.1
0.0001—0.001 Ω	0.01	0.01

- (5) Press down key 5, and balance the bridge by turning the dial 8. The dial reading multiplied by the value indicated at plug 11 will be the result of the unknown resistance.

EXAMPLE

The dial reading 0.025

The plug in the 0.1 position

$$\therefore R_X = 0.025 \times 0.1 = 0.0025 \text{ ohm}$$

- (6) The null indicator of the bridge is a sensitive suspension type galvanometer avoid excessive vibration. Push forward the button 9 to lock the pointer when not in use.
- (7) To measure the conductivity of copper wire, use following formula:

$$\text{Conductivity} = R_t / R_X \times 100\%$$

R_X = Resistance of copper wire to be measured at $t^\circ\text{C}$

R_t = Resistance of standard copper wire of same diameter at $t^\circ\text{C}$

R_t may be calculated as follows:

$$R_t = R_{20} [1 + 0.003(t - 20)]$$

where R_{20} is the resistance of standard copper wire of same diameter at 20°C .

- (8) The instrument should be kept in dry place, and should avoid any harmful atmosphere.

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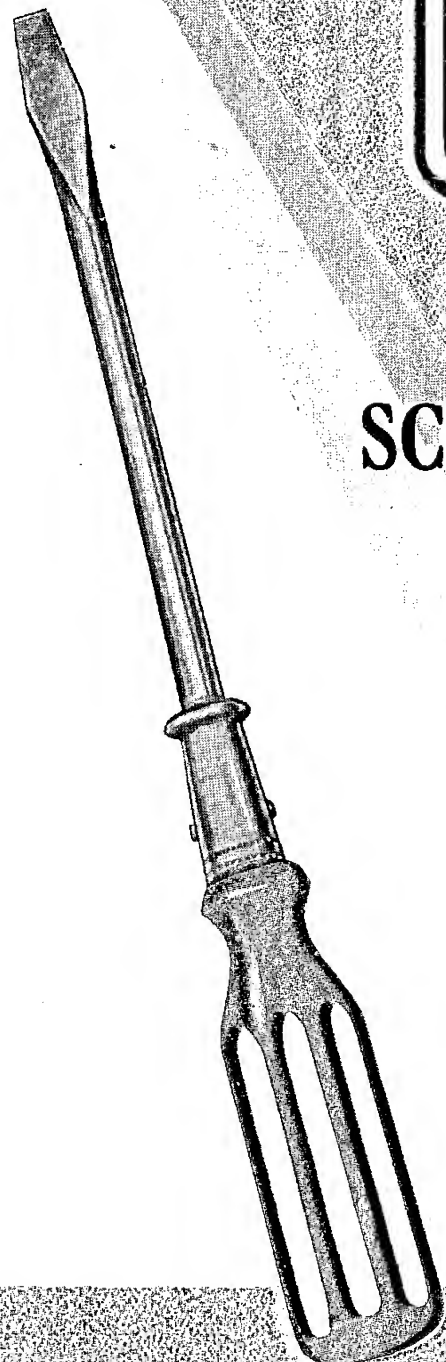
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唯一牌
木柄羅絲批

UNIQUE BRAND SCREW DRIVER



中國雜品出口公司
CHINA NATIONAL SUNDRIES EXPORT CORPORATION

SPECIFICATIONS

- Handle made of selected wooden material, carved with seven troughs to prevent slipping.
- Blade forged from fine medium carbon steel, bolted to the handle and is chrome plated.



PACKING

Specification	Contents per case	Measurements (cm.)			Weight per case (kg.)	
		Length	Width	Height	Gross	Net
2''	100 doz.	56	37	44	58	48
2½''	100 ,,	56	39	44	60	50
3''	100 ,,	59	44	47	73	62
4''	80 ,,	77	53	36	86	76
5''	50 ,,	59	53	37	75	65
6''	50 ,,	67	57	39	88	76
8''	40 ,,	77	42	51	104	88
10''	25 ,,	68	48	45	94	76
12''	25 ,,	70	54	48	110	90

CHINA NATIONAL SUNDRIES EXPORT CORPORATION

Head Office 32 ■ A Chiu Tiao Hutung, East City, Peking China

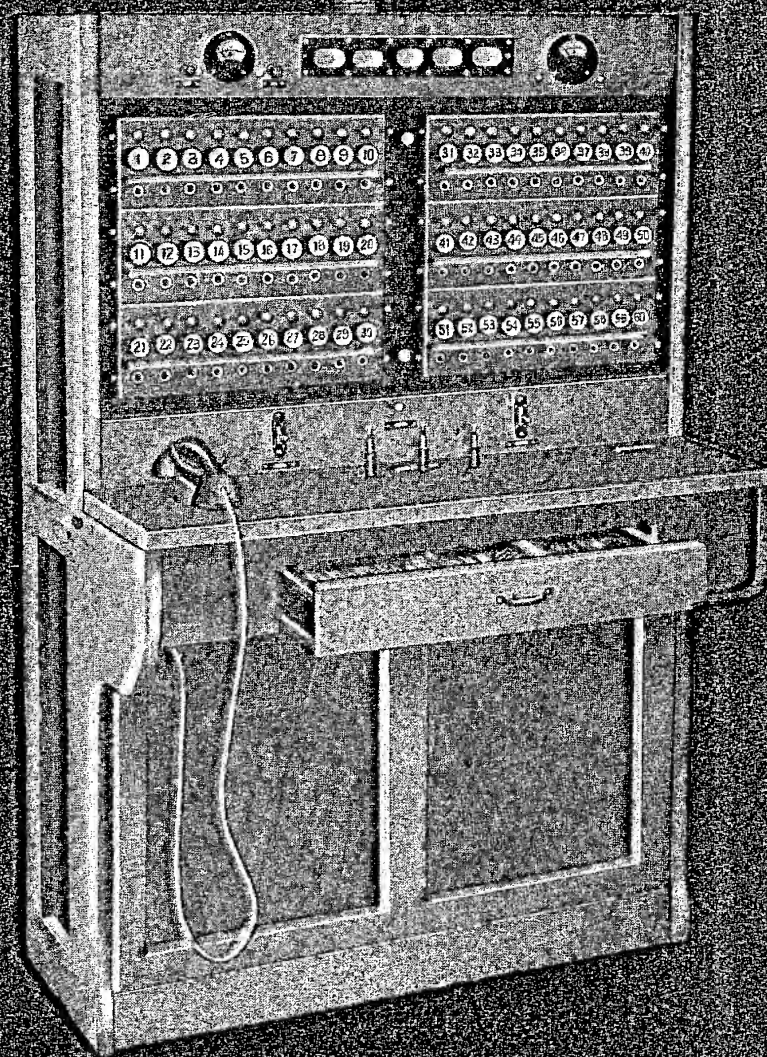
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Cable Address: "SUNDRY" Shanghai

TLD-60

ALARM RECEIVING BOARD RADIATION TYPE



中國儀器進口公司

CHINA NATIONAL INSTRUMENTS IMPORT CORPORATION

(IMPORTERS & EXPORTERS)

TLO-16,30,60 ALARM RECEIVING BOARD, RADIATION TYPE

Application:

The alarm receiving board is to be used in the radiating type alarm receiving system for the purpose of receiving fire alarm and burglar alarm signals. TLO-16 type is used at small-sized stations, TLO-30 type, at medium-sized stations and TLO-60 type, at large-sized stations.

Description:

The TLO alarm receiving board, is a new product of China, made up to the recognized international standard. Within the capacity of the receiving board, any number of alarming signals may be received. Not more than three alarm-sending apparatus may be connected in each circuit.

When alarms are being received, visible and audible signals appear on the board to indicate the number of the particular alarming circuit. Besides, alarm sirens or bells may be installed at any necessary location.

Officially secret-coded signals delivered from the alarm sending apparatus may be received at the board. Answering signals may be sent back to the originating apparatus and telephone communication established.

D.C. milliammeter and voltmeter are mounted on the receiving board to check the line current and battery voltage.

If any trouble happens on the line, e.g. disconnection, short-circuiting and grounding, an alarming signal will appear to show the nature of the trouble and the number of the line in question.

Technical Data:

Capacity of the alarm receiving boards:

- 16 circuits of alarm sending apparatus may be installed with TLO-16 type board.
- 30 circuits of alarm sending apparatus may be installed with TLO-30 type board.
- 60 circuits of alarm sending apparatus may be installed with TLO-60 type board.

Power Supply:

Two sets of storage battery are necessary for the receiving board, one for the line and the other for the local circuit of the board. The battery voltage for TLO-16 or TLO-30 type board is 24V, and that for TLO-60 type board is 48 volts.

Allowable Line Resistance:

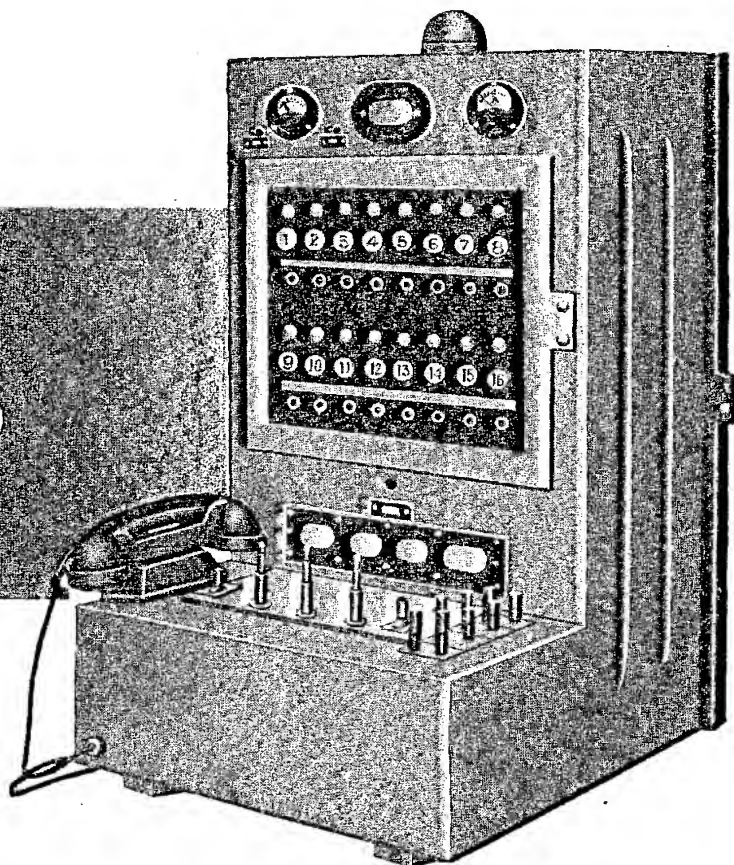
The line resistance (including protecting equipment) of each circuit for TLO-16 and TLO-30 type boards is 300 ohms maximum, and that for TLO-60 type board is 1000 ohms maximum.

Dimensions:

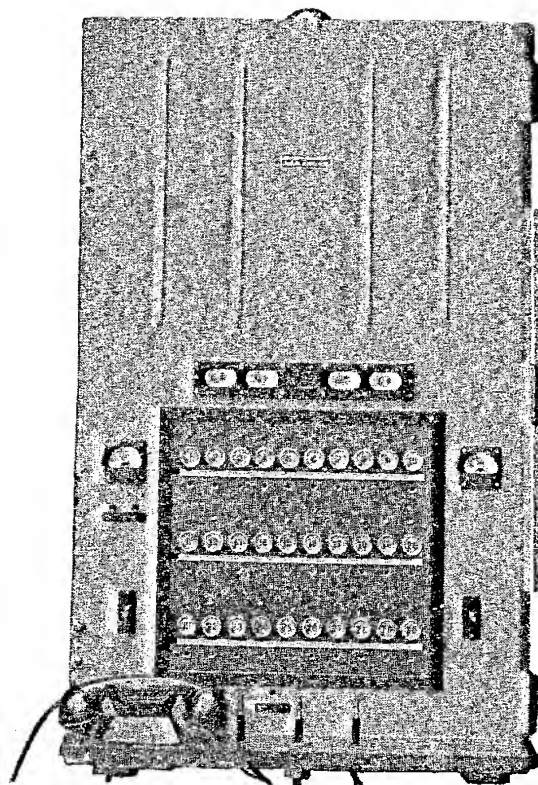
	TLO-16	TLO-30	TLO-60
Width	482 mm	740 mm	932 mm
Depth	455 "	235 "	550 "
Height	725 "	1740 "	1380 "

Weight:	56 kgs.	92 kgs.	166 kgs.
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TLO-16



TLO-30



AUTOMATIC RECORD CHANGER

MODEL "54"



中國儀器進口公司

CHINA NATIONAL INSTRUMENTS IMPORT CORPORATION

(IMPORTERS & EXPORTERS)

MODEL "54"
AUTOMATIC RECORD CHANGER

This record changer is a combination of superior mechanism and fine craftsmanship, guaranteed to give years of excellent service. It changes twelve 10" or ten 12" records at one loading. Sturdy built 4-pole motor, operating on either 110 V. or 220 V., 50 cycles, assures long operating life. Rim drive provides smooth constant speed. Simple to operate with combination on-off and rejection switch. Light weight magnetic pickup protects records from overpressure.

Complete with handsome varnished wooden cabinet, 5 ft. of power source cord as well as 5 ft. of single conductor shielded wire for plugging into radio or amplifier.

Dimension: 48 x 40 x 28 cm.
Net Weight: 10 kgs.

"54" 型自动落片式電唱機

"54" 型自动落片式電唱機構造精密，靈巧輕便，適用於擴音機或收音機配合使用。它每次可以連續自動調換十吋唱片十二張或十二吋唱片十張，內部主要包含一具堅固耐用的四極馬達，適用於 110 V. 或 220 V. 電壓，單相交流 50 週/秒。轉盤速度平均，旋轉平穩，轉矩強大，並附有啓停以及對不喜歡聽的唱片先期調落的開關機掣，使用便易，磁性唱頭體質很輕，使唱片不致於因重負而易磨損。

電唱機外部係一精美噴漆的木箱，裝有電源輸入線和連接擴音機或收音機的音週輸出線各一根，均長五呎。

尺寸: 48 x 40 x 28 公分
淨重: 10 公斤

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Safety First



AURORA

Fire Extinguisher



震旦滅火機



SPECIFICATION

All Aurora Fire Extinguishers are made of mild steel plates, with seams welded.

All models of extinguishers had been tested to a pressure of 24.5 kilos per square centimetre (model 2 19/0004 Tested 11 kg/cm²) and coated with tin (with the exception of the wheels type) to prevent from corrosion. They are practically everlasting.

The Aurora Chemical Foam, being sticky, will firmly adhere to the burning articles.

The specific gravity of the Aurora Chemical Foam is lighter than that of oil, so fire, caused by gasoline, petroleum, etc. could be easily extinguished.



Z 19/0005-6



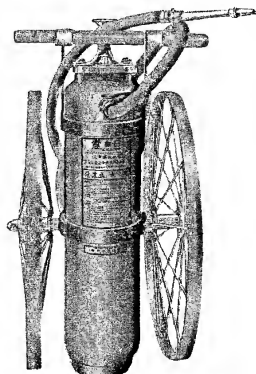
Z 19/0001-2



Z 19/0003



Z 19/0004



Z 19/0007-10

Art. No.	MODEL	CAPACITY	SUITABLE FOR
Z 19/0004	"Pressure Type" Carbon Tetra- chloride Fire Extinguisher	¼ gallon (1 litre) nominal	Extinction of all electrical fires
Z 19/0001	Standard "37" Foam Type Fire Extinguisher	2½ gallons (8.3 litres) nominal	Factories Schools, offices Homes, etc.
Z 19/0002	Standard "37" Soda acid Type Fire Extinguisher	2½ gallons (8.3 litres) nominal	Factories Schools, offices Houses etc.
Z 19/0003	Standard "53" marine Type Foam Fire Extinguisher	2½ gallons (8.3 litres) nominal	Ships, Buses, Transportation cars, etc.
Z 19/0005	"Factory Size" Foam Type Fire Extinguisher	5 gallons (16.6 litres) nominal	Factories godowns, Hotels, etc.
Z 19/0006	"Factory Size" Soda acid Type Fire Extinguisher	5 gallons (16.6 litres) nominal	Factories godowns, Hotels, etc.
Z 19/0007	"Wheel Type" Foam Fire Extinguisher	22 gallons (65 litres) nominal	Paint and Varnish Factories
Z 19/0008	"Wheel Type" Soda acid Fire Extinguisher	22 gallons (65 litres) nominal	Paint and Varnish Factories
Z 19/0009	"Wheel Type" Foam Fire Extinguisher	40 gallons (124 litres) nominal	Paint and Varnish Factories
Z 19/0010	"Wheel Type" Soda acid Fire Extinguisher	40 gallons (124 litres) nominal	Paint and Varnish Factories

PACKING

Art. No.	Contents per case	Measure- ments (cm.)			Wt. (kg)	
		L	W	H	gross	net
Z 19/0004	24 Pcs.	59	42	55	82	72
Z 19/0001 (Without chemical)	12 Pcs.	80	65	68	70	58
Chemical for above	24 Sets	62	43	42	58	48
Z 19/0002 (Without chemical)	12 Pcs.	80	65	68	70	58
Chemical for above	24 Sets	47	38	51	31	24
Z 19/0003 (Without chemical)	12 Pcs.	80	65	68	75	61
Chemical for above	24 Sets	62	43	42	58	48
Z 19/0005 (Without chemical)	6 Pcs.	84	59	84	115	90
Chemical for above	12 Sets	50	40	53	58	48
Z 19/0006 (Without chemical)	6 Pcs.	84	59	84	115	90
Chemical for above	12 Pcs.	40	30	42	31	24

中國雜品出口公司

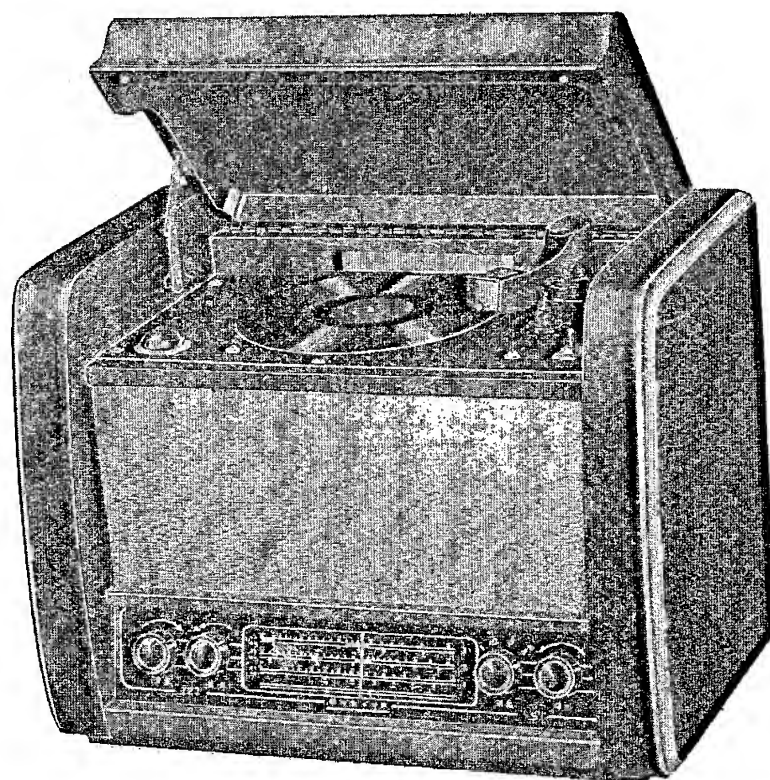
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FRIENDSHIP BRAND

RADIO-PHONOGRAPH COMBINATION



MODEL 722-551

中國儀器進口公司

CHINA NATIONAL INSTRUMENTS IMPORT CORPORATION

(IMPORTERS & EXPORTERS)

RADIO-PHONOGRAPH COMBINATION "FRIENDSHIP" BRAND

MODEL 722-551

This radio-phonograph combination is of the most recent design. The radio receiver is a deluxe superheterodyne 7-tube, 3 wave band set. It is extremely selective and sensitive. The high fidelity crystal pickup reproduces a fine true tune and has no frequency discrimination. The use of miniature tubes, iron core I. F. transformer, and R. F. coil ensures its highest quality, double amplification and perfect performance. The speed of the phono-motor is 78 rpm., suitable for playing all standard records up to 12".

TUBES AND NUMBERS:- One-6BE6; Two-6BA6; One-6AL5; One-6AQ5; One-1629 (magic eye); One-5Y3 GT/G; and Two-6.3V bulbs for dial illumination.

WAVE BANDS:-

Short wave - 1	(Red)	39.5 - 79.0 metres	(7.6 - 3.8 M. C.)
Short wave - 2	(White)	24.8 - 33.3	„ (12.1 - 9.0 M. C.)
Medium wave	(Yellow)	188 - 545	„ (1600 - 550 K. C.)

Phonograph

INTERMEDIATE FREQUENCY:- 465 K. C.

SENSITIVITY:-

1. Medium wave not less than 200 microvolts. Short wave not less than 300 microvolts. Pickup output not less than 0.15 volts.
2. Wattage output: Minimum 1.5 watts.
Maximum 4 watts.

SPEAKER:- 6 watts, 200 mm. dia. P. M. speaker.

Binding post is provided on back of receiver for extra speaker of 4 ohms.

AUTOMATIC VOLUME CONTROL:- As output variation does not exceed 8 d. b. to input variation of 26 d. b., an equal signal strength on all incoming stations can be obtained at the same volume level.

POWER SOURCE:- 110/220 volts, AC, 50/60 cycles.
Provided with special voltage socket.
Power consumption - 50 watts.

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C-24 C B & AUTOMATIC DESK TYPE
Telephone Sets



中國儀器進口公司
CHINA NATIONAL INSTRUMENTS IMPORT CORPORATION
(IMPORTERS & EXPORTERS)

DKZ-20 INTERDEPARTMENT DISPATCHING TELEPHONE SWITCHBOARD

Application:

The interdepartment dispatching telephone switchboard is of C.B. type used for dispatching telephone calls within a shop of a large factory or within a small factory.

Description:

This desk type switchboard is manufactured after DKZ-20 type interdepartment dispatching telephone switchboard being a new product of China made up to the recognized international standard. It provides two separate positions for a telephone operator and a dispatcher, enabling them to handle the following telephonic calls:

1. Either the operator or the dispatcher may communicate with a direct subscriber, or communicate simultaneously with two or three direct subscribers. Calls of such nature may be carried out in two groups at the same time.
2. The dispatcher may communicate with subscribers of C.B. or automatic central offices. In case of necessity, the subscriber may be held on the line temporarily.
3. The dispatcher may communicate with the factory dispatcher.

4. Signalling lamps and alarm bells are provided on the switchboard. In case a conference is organized through a DK3 type factory dispatching telephone switchboard, calling signals of "appealing for conversation" may be originated from the DKZ-20 type switchboard.

Technical Data:

1. This switchboard provides 20 direct subscriber lines, the maximum allowable loop resistance of which is 400 ohms.

2. This switchboard provides one trunk circuit to automatic or C.B. central offices and one trunk circuit to DK3 type factory dispatching telephone switchboard (the latter may be connected to the central office alternatively). The maximum allowable loop resistance of the trunks is 800 ohms.

3. Ringing source is supplied from 110^v or 220^v mains through a ringing transformer. The power source for subscriber sets is supplied from 24^v storage battery, with an allowable limit of $\pm 2^v$.

4. Dimensions: 230 x 507 x 540 mm (including both the microtelephone and the cradle).

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OKZ-20

INTERDEPARTMENT

DISPATCHING TELEPHONE SWITCHBOARD



中國儀器進口公司
CHINA NATIONAL INSTRUMENTS IMPORT CORPORATION
(IMPORTERS & EXPORTERS)

DKZ-20 INTERDEPARTMENT DISPATCHING TELEPHONE SWITCHBOARD

Application:

The interdepartment dispatching telephone switchboard is of C.B. type used for dispatching telephone calls within a shop of a large factory or within a small factory.

Description:

This desk type switchboard is manufactured after DKZ-20 type interdepartment dispatching telephone switchboard being a new product of China made up to the recognized international standard. It provides two separate positions for a telephone operator and a dispatcher, enabling them to handle the following telephonic calls:

1. Either the operator or the dispatcher may communicate with a direct subscriber, or communicate simultaneously with two or three direct subscribers. Calls of such nature may be carried out in two groups at the same time.
2. The dispatcher may communicate with subscribers of C.B. or automatic central offices. In case of necessity, the subscriber may be held on the line temporarily.
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Technical Data:

1. This switchboard provides 20 direct subscriber lines, the maximum allowable loop resistance of which is 400 ohms.
2. This switchboard provides one trunk circuit to automatic or C.B. central offices and one trunk circuit to DK3 type factory dispatching telephone switchboard (the latter may be connected to the central office alternatively). The maximum allowable loop resistance of the trunks is 800 ohms.
3. Ringing source is supplied from 110V or 220V mains through a ringing transformer. The power source for subscriber sets is supplied from 24V storage battery, with an allowable limit of $\pm 2V$.
4. Dimensions: 230 x 507 x 540 mm (including both the microtelephone and the cradle).

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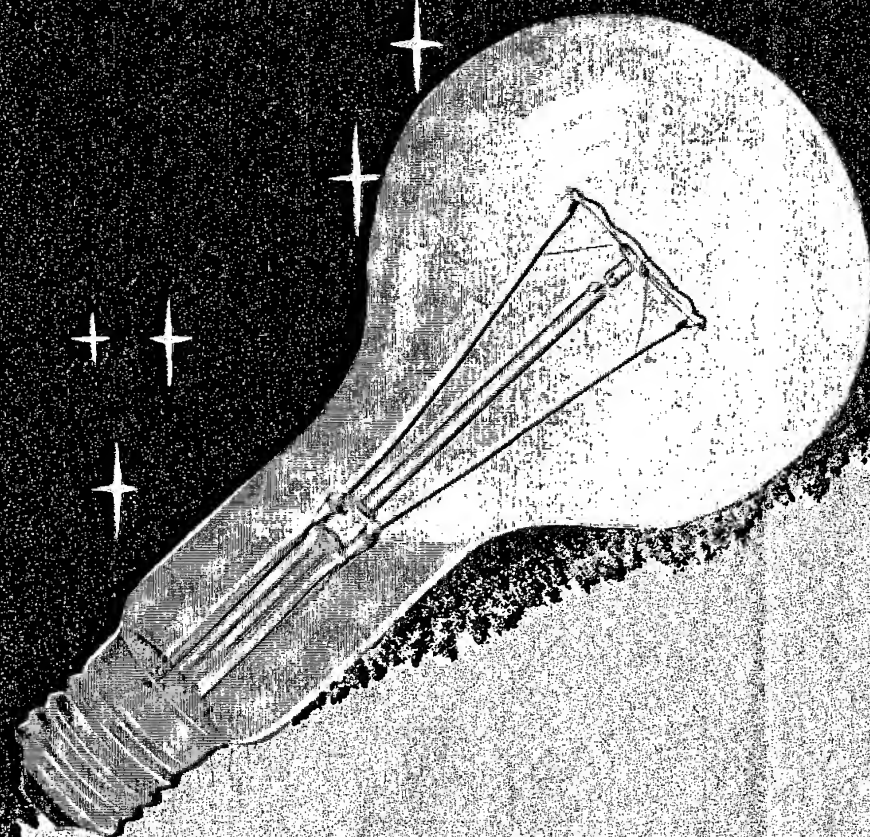
Cable Address: "INSTRIMP"

TIENTSIN: 171 Kien Shieh Road.

Cable Address: "INSTRIMP"

CANTON: 25 Tai Ping Road, S.

Cable Address: "INSTRIMP"



WHA TEH
Lamps

25X1



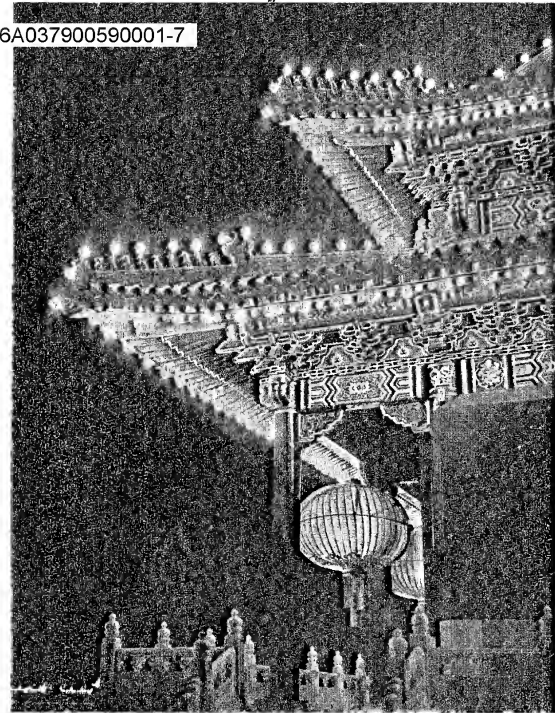
HA TEH LAMPS (Electric bulbs).

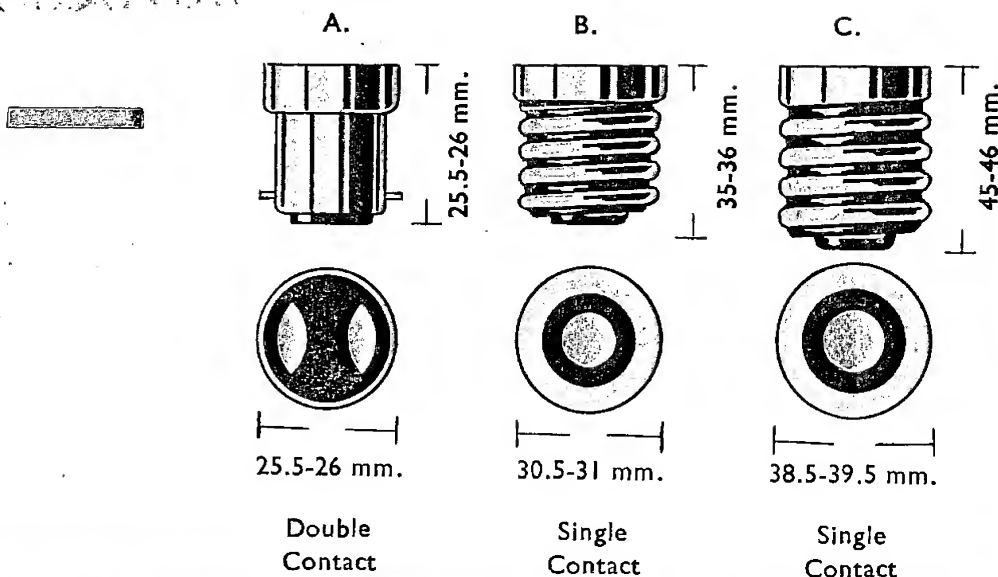
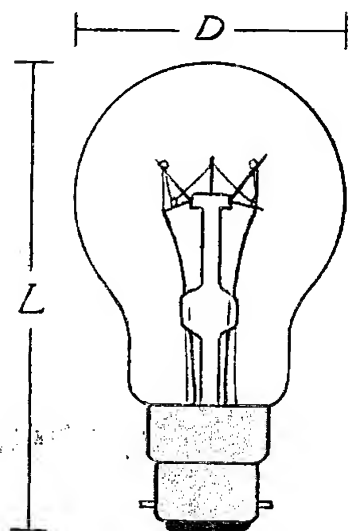
The "Wha Teh" Electric Bulbs undergo rigid inspection during the process of manufacture. The filament is uniform in length and even in tension with high illuminating power and low current consumption as their special features. The average life of a "Wha Teh" bulb is 1,000 hours at the rated voltage.

STANDARD VOLTAGE: 110V or 220V

Watts	Vacuum or Gas-filled	Lumens Approx.		Average Life Hours	Dimension (mm)		P A C K I N G								
							Pcs. to a carton	Cartons and Pcs to a wooden case		Measurements of wooden case			Volume of wooden case (cu. ft)	Weight (kg)	
		220V	110V		L.	Diam.		Cartons	Pcs.	L.	W.	H.		Gross	Net
15	V.	100	115	1,000	96	54	25	20	500	28"	28"	25"	11.35	44	23
25	V.	180	210	1,000	106	57	25	20	500	28"	28"	25"	11.35	44	23
40	V.	290	360	1,000	113	60	25	20	500	28"	28"	25"	11.35	44	23
60	G.	540	595	1,000	121	64	25	20	500	29"	29"	27"	13.15	49	26
75	G.	712	787	1,000	128	70	25	8	200	32"	25"	17"	7.88	29	13
100	G.	1,000	1,250	1,000	141	75	25	8	200	33"	26"	18"	8.94	31	14
200	G.	2,560	2,900	1,000	183	91	25	4	100	33"	21"	21"	8.43	28	11
500	G.	7,500	8,200	1,000	275	127	12		50	35"	24"	24"	11.67	34	14

BULBS OF 150 AND 300 WATTS ARE ALSO AVAILABLE.



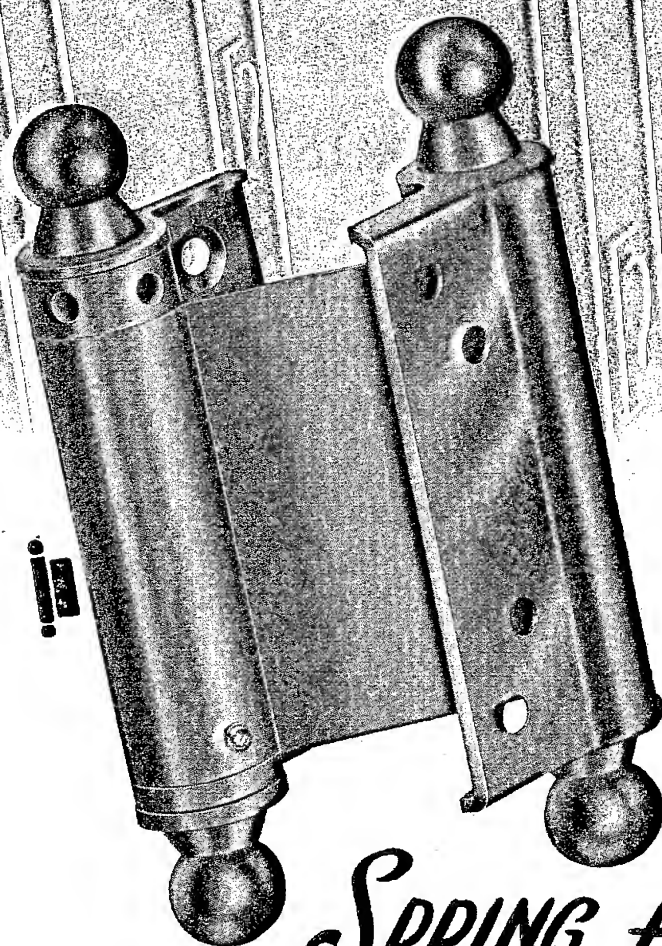


中國雜品出口公司
CHINA NATIONAL SUNDRIES EXPORT CORPORATION

- A. For bulbs below 200 watts.
- B. For bulbs of 200 & 300 watts.
- C. For bulbs of 400 & 500 watts.

All sizes within the range of 15-300 watts can be fitted
with either bayonet or screw caps if required.

雙彈簧鉸鏈
HERO BRAND



SPRING HINGES
DOUBLE ACTION
FOR RIGHT OR LEFT HAND DOORS

MADE IN CHINA

HERO BRAND

SPRING HINGES DOUBLE ACTION

The "Spring Hinges, Double Action," used for right and left hand doors, are made of fine quality and highly practicable for general use. They will give satisfaction to you after application of them.

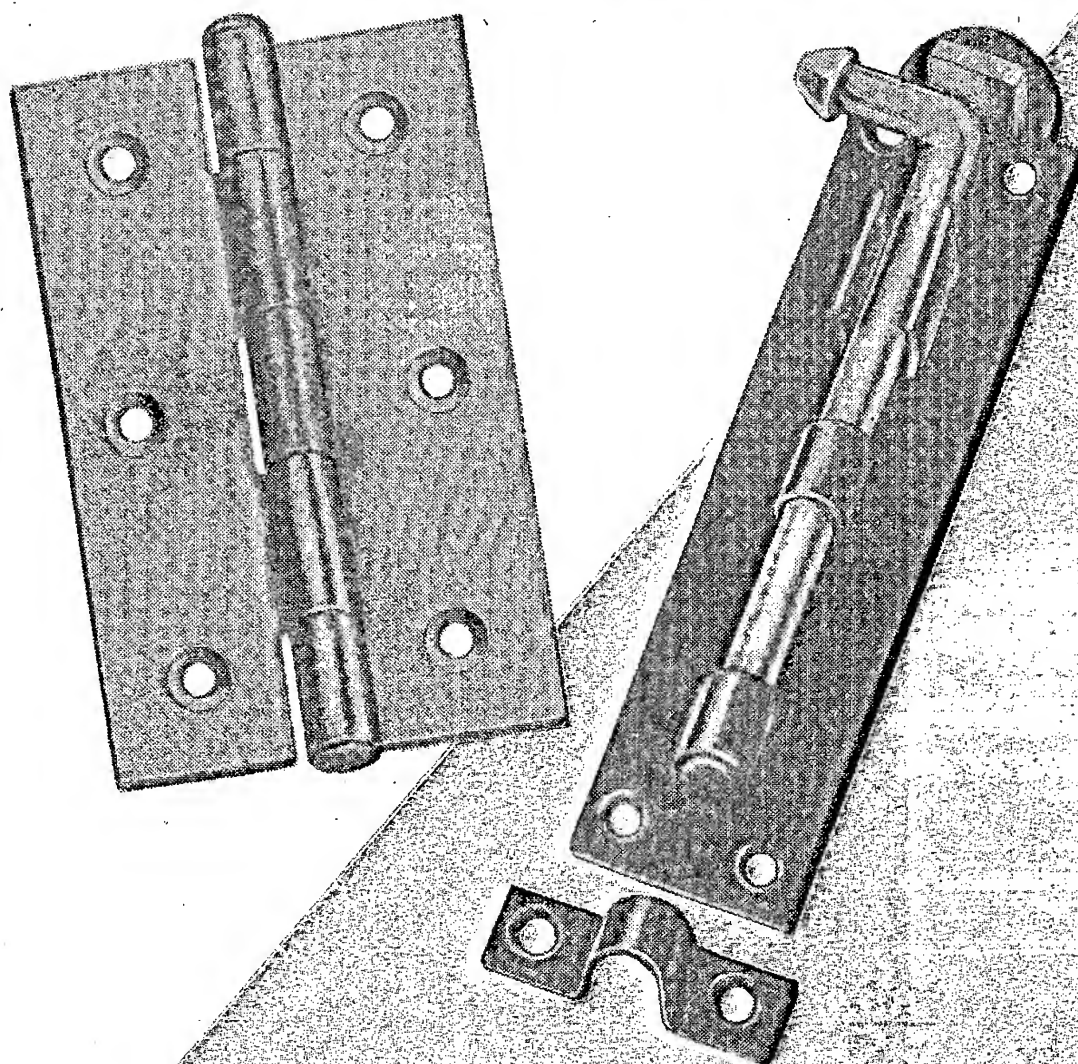
Each pair provided with screws.

PACKING

Specification	Contents per case	Measurement (unit:cm)			Weight per case (unit: Kg)	
		L	W	H	Gross	Net
3 "	50 prs	48	31	31	56	47
4 "	50 ,,	50	36	33	75	66
5 "	40 ,,	54	42	30	87	77
6 "	25 ,,	53	27	37	76	67
7 "	20 ,,	57	32	45	111	100
8 "	10 ,,	53	35	36	86	76
10 "	10 ,,	56	41	34	115	103

中國製造
MADE IN CHINA

Iron Hinges & Tower Bolts



CHINA NATIONAL SUNDRIES EXPORT CORPORATION 

铁铰链·铁插肖

铁 铰 链 IRON HINGES

規 格 Specification	單 位 Unit	包 裝 Packing	
		每箱打数 Doz. Pairs per Case	重 量 (公斤) Gross Weight (Kilos)
1'	对打Pair Doz.	200	45
1 1/2'	"	100	41
2'	"	50	39
2 1/2'	"	40	42
3'	"	30	46
3 1/2'	"	20	51
4'	"	10	42
5'	"	5	36

铁 插 肖

規 格	三、四、五、六、八、十、十二吋、 黑 漆 板 磨 光 肖 挺、
包 裝	三—六 吋 每打一百打、 八—十二吋 每打四十打、

IRON TOWER BOLTS

Specification: 3" 4" 5" 6" 8" 10" 12"
Black Japanned Plate
and Polished Bolts

Packing: 3"-6" 100
8"-12" 40 Carton x 1 Doz. Per Wooden Case.

中國雜品出口公司

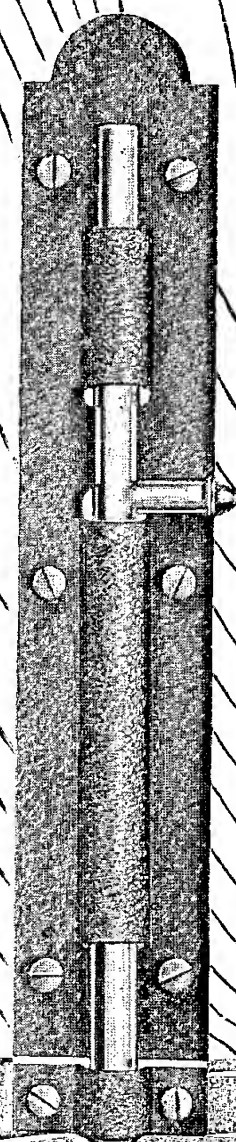
總公司：中國北京東四九條胡同(甲) 32 號。 電報掛號“SUNDRY”北京
分公司 中國天津大沽中路 114 號。 電報掛號“SUNDRY”天津

CHINA NATIONAL SUNDRIES EXPORT CORPORATION

HEAD OFFICE: 32/A CHIUTIAO HUTUNG EAST CITY, PEKING, CHINA. CABLE ADDRESS: "SUNDRY" PEKING
BRANCH OFFICE: 114 TAKU ROAD C. TIENTSIN, CHINA. CABLE ADDRESS: "SUNDRY" TIENTSIN

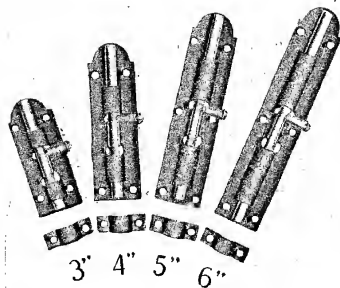
鐵插肖

IRON
TOWER
BOLTS



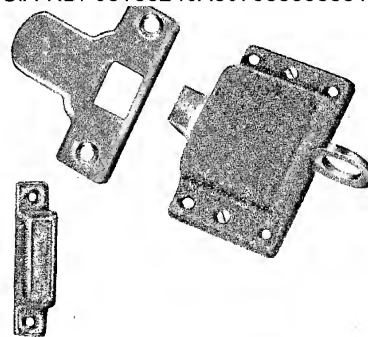
中國雜品出口公司
CHINA NATIONAL SUNDRIES EXPORT CORPORATION

C Type



C Type (in one Black Japanned Plate)

Length	Diameter of Bolt (mm)	Width of Plate (mm)	No. of Screw Holes	Size of Screw No.
3"	7.14	31.15	4	5
4"	7.14	31.15	4	5
5"	7.14	31.15	6	5
6"	7.14	31.15	6	5

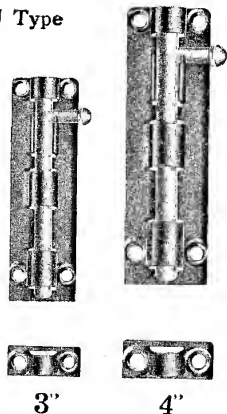


TRANSOM CATCHES

Transom Catches in the usual size of 2½", designed for use in turning sash, are made of iron plate, finished in black. They are equipped with chromium plated spring bolt and a loop for fastening string. Each catch is supplied with only one strike, i.e. either one inward or one outward strike to be decided at the time of order. The size of screws for the catch is No. 5.

IRON TOWER BOLTS

J Type

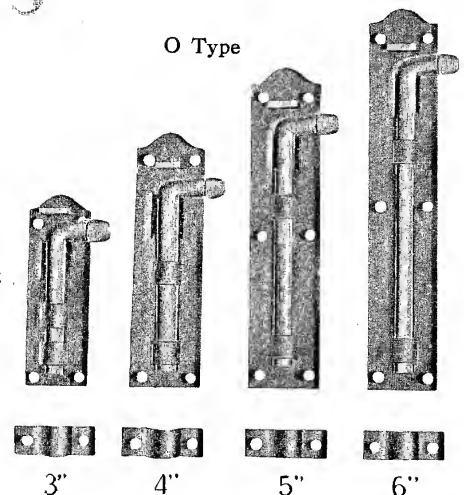


J Type (in one Black Japanned Plate)

Length	Diameter of Bolt (mm)	Width of Plate (mm)	No. of Screw Holes	Size of Screw No.
3"	7.94	30	4	5
4"	7.94	30	4	5
5"	7.94	30	6	5
6"	7.94	30	6	5

Length	3"	4"	5"	6"
Diameter of Bolt (mm)	7.14	7.14	7.14	7.14
Width of Plate (mm)	25.4	28.58	28.58	28.58
No. of Screw Holes	4	4	6	6
Size of Screw No.	5	5	5	5

O Type



PACKING

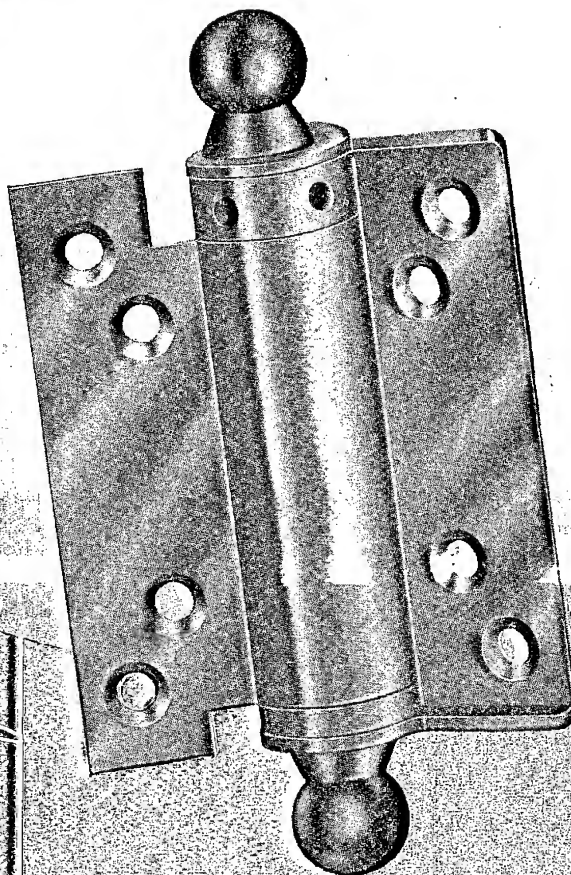
Name of Article	Specifica- tion	Contents per case (doz)	Measurements of case (cm.)			Weight (kg.)	
			length	width	height	gross	net
Iron Tower Bolts (O Type)	3"	100	42	48	33'	84	75
	4"	100	52	48	35	102	91
	5"	100	61	48	35	126	113
	6"	100	71	49	35	145	131
Transom Catches	2½"	50	68	30	44	72	62
Iron Tower Bolts (C & J Types)	3"	100	55½	47	34	75	65
	4"	100	56	57	34	98	86
	5"	100	61	48½	34	124	112
	6"	100	76	56	34	140	125

N. B. The length of wood screws used for the above three relevant articles depends upon the thickness of the wood on which the relative articles are to be screwed. The above are all supplied without screws.

CHINA NATIONAL SUNDRIES EXPORT CORPORATION
Head Office 32 A Chiu Tiao Hutung, East City, Peking China
 Cable Address: "SUNDRY" Peking
Shanghai Branch 27 Chung Shan Road E1, Shanghai, China
 Cable Address: "SUNDRY" Shanghai

25X1

單彈簧鉸鏈



HERO BRAND

SPRING HINGES

SINGLE ACTION

MADE IN CHINA

HERO BRAND

SPRING HINGES SINGLE ACTION

The "Spring Hinges, Single Action," used for right and left hand doors, are made of fine quality and highly practicable for general use. They will give satisfaction to you after application of them.

Each pair provided with screws.

PACKING

Specification	Contents per case	Measurement (unit: cm)			Weight per case (unit: Kg)	
		L	W	H	Gross	Net
3"	100 prs	56	31	30	56	48
4"	100,,	55	36	34	77	69
5"	50,,	51	24	41	58	51
6"	50,,	58	27	41	69	61
8"	20,,	56	34	33	86	77

for further informations write to:

CHINA NATIONAL SUNDRIES EXPORT CORPORATION

HEAD OFFICE: 32 (A) CHIU TIAO HUTUNG, EAST CITY, PEKING, CHINA

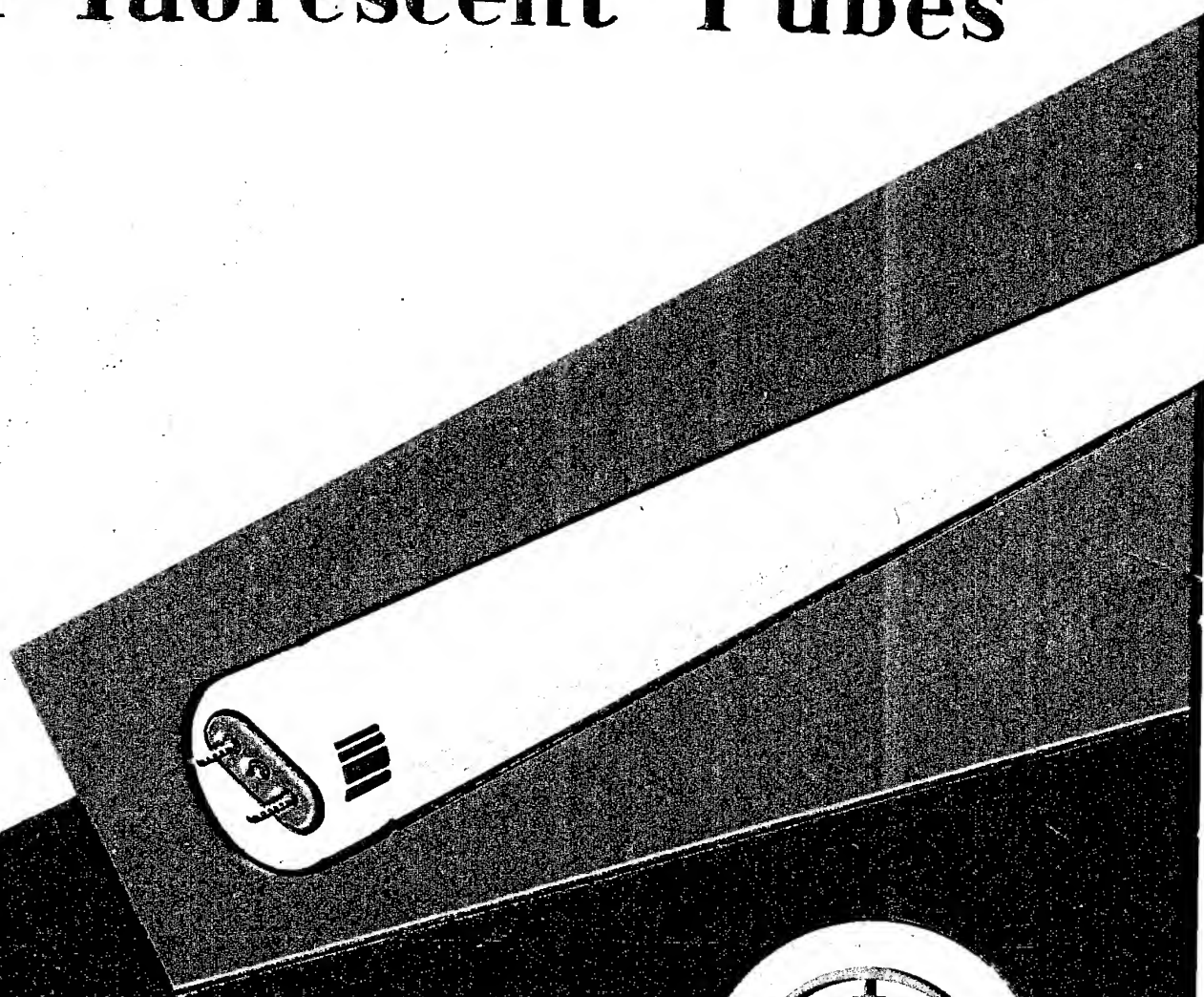
CABLE ADDRESS: "SUNDRY" PEKING

SHANGHAI BRANCH: 27 CHUNG SHAN ROAD E1, SHANGHAI, CHINA

CABLE ADDRESS: "SUNDRY" SHANGHAI

Electrician

Fluorescent Tubes



FLUORESCENT TUBE

Of the same kind of light, fluorescent tube provides a light cozier and mellower than ordinary lamps it is no doubt that it serves to-day as a favourite means of lighting.

The "Electrician" Fluorescent Tube is valued for its high efficiency and agreeable luminous effect, it gives you a cozy and cheerful atmosphere in low current consumption. So it is widely in demand in all places where an elaborate illumination is required.

TECHNICAL DATA OF "ELECTRICAN" TUBE

Con- sumption (watt)	Length (mm)	Diameter (mm)	Current (amp)	Voltage (volt)	Optimum Voltage (volt)	Colour	Average Life Hours
20	610=24"	38	0.36	59	110 or 220	Day-light, White, Green, Yellow.	2,000
40	1220=48"	38	0.42	106	110 or 220	Day-light, White, Green, Yellow.	2,000

PACKING

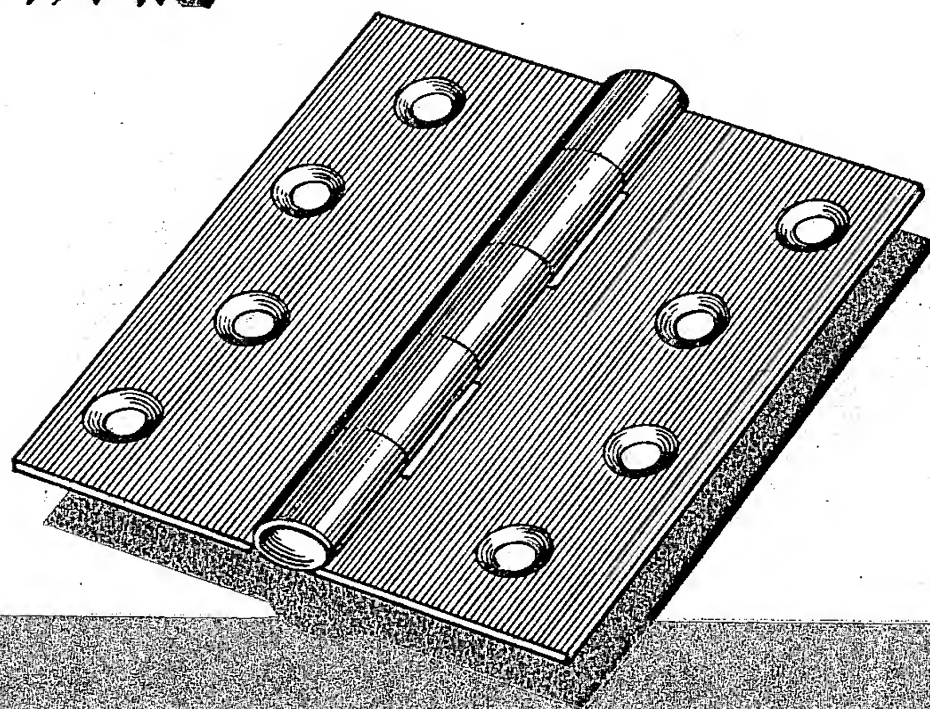
Specifica- tion	Contents per case (pc)	Measurements of case (in)	Volume of case (cu. ft)	Weight (kg)	
				Gross	Net
24"	50	29×20×11	3.70	23	11
48"	50	53×20×11	6.75	37	20

MADE IN CHINA

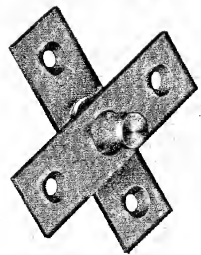
IRON Butts

鐵鉸鏈

(HINGES)

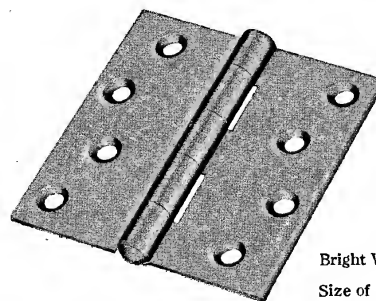
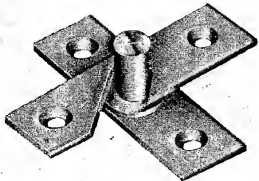


中國雜品出口公司
CHINA NATIONAL SUNDRIES EXPORT CORPORATION



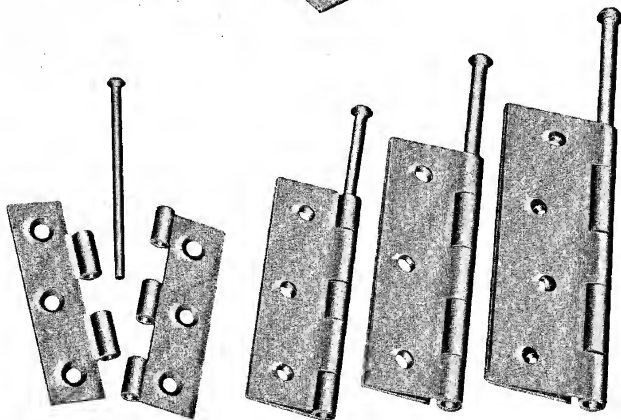
Sash Pivots

Length	2"	2½"	3"	3½"	4"
Width	¾"	¾"	¾"	¾"	¾"
Size of Screw No.	6	6	7	7	7
No. of Screw Holes	4	4	4	4	4



Bright Wrought Iron Square Butts: 3" square 4" square

Size of Screw No.	9	12
No. of Screw Holes	6	8

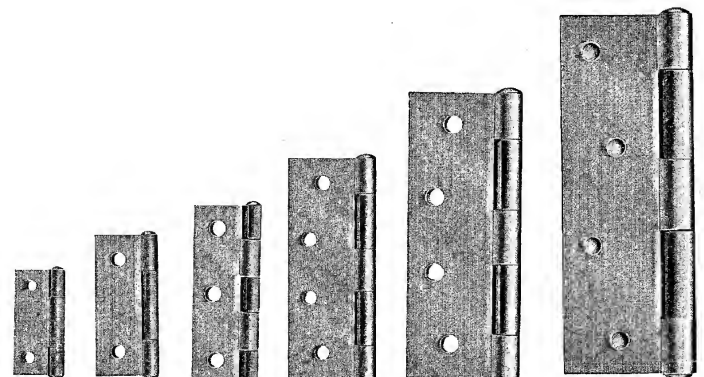


Bright Wrought Iron Narrow Butts with Loose Pin

Length	2½"	3"	3½"	4"
Width	42mm	50mm	55mm	73mm
No. of Screw Holes	6	6	6	8
Size of Screw No.	6	7	8	9

Bright Wrought Iron Heavy Narrow Butts with Fast Pin

Length	1½"	2"	2½"	3"	3½"	4"	5"	6"
Width	32mm	40mm	42mm	50mm	55mm	73mm	83mm	103mm
No. of Screw Holes	4	4	6	6	6	8	8	8
Size of Screw No.	5	6	6	7	8	9	10	10



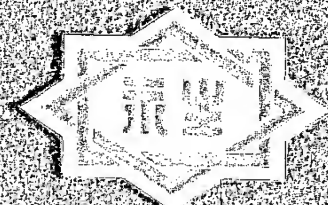
1½" 2" 3" 4" 5" 6"

HEAVY NARROW BUTTS

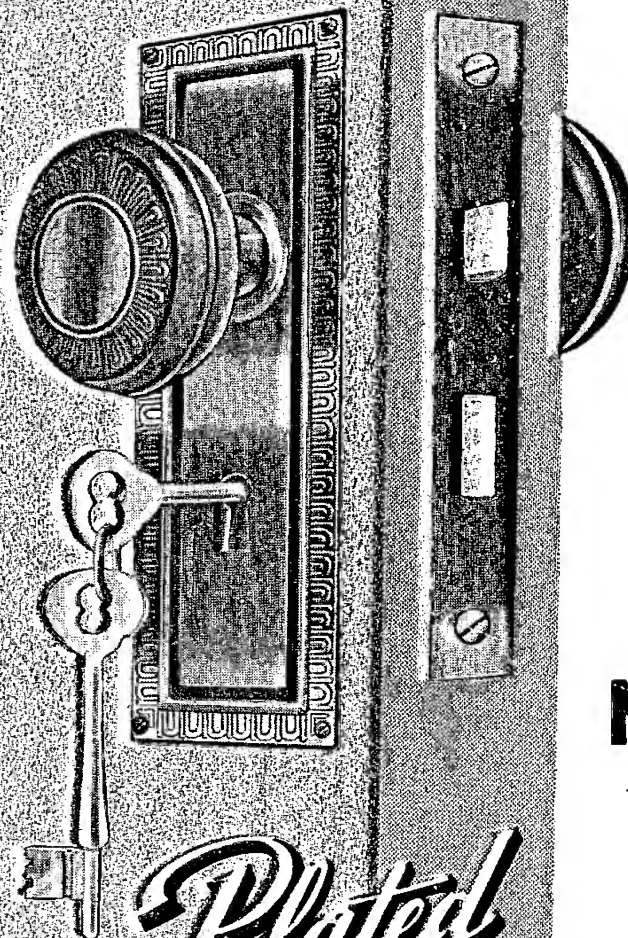
SPECIFICATION	CONTENTS		MEASUREMENTS OF CASE (CM.)			WEIGHT OF CASE (KG.)	
	PER CASE	UNIT	LENGTH	WIDTH	HEIGHT	GROSS	NET
2"	100	dozen	56	30	21	68	62
2½"	75	"	60	25	22	82	76
3"	50	"	49	30	25	88	82
3½"	30	"	49	27	28	75	68
4"	20	"	51	27	23	75	70
SASH PIVOTS							
2"	500	pairs	63	27	27	55	50
2½"	500	"	58	34	27	66	60
3"	500	"	55	25	35	80	73
3½"	500	"	57	27	35	91	83
4"	500	"	68	29	35	105	95
SQUARE BUTTS							
3"	20	dozen	62	31	18	69	64
4"	10	"	55	24	28	72	67
NARROW BUTTS							
2½"	75	dozen	60	28	22	82½	76½
3"	50	"	49	30½	25	88	82
3½"	30	"	49	27	28	75	68
4"	20	"	51	27	23	75	70

N. B. The length of the wood screw required depends upon the thickness of the wood on which the above butts are to be screwed. The butts are supplied without screws.

YUNG SUN BRAND



古銅牌鎖



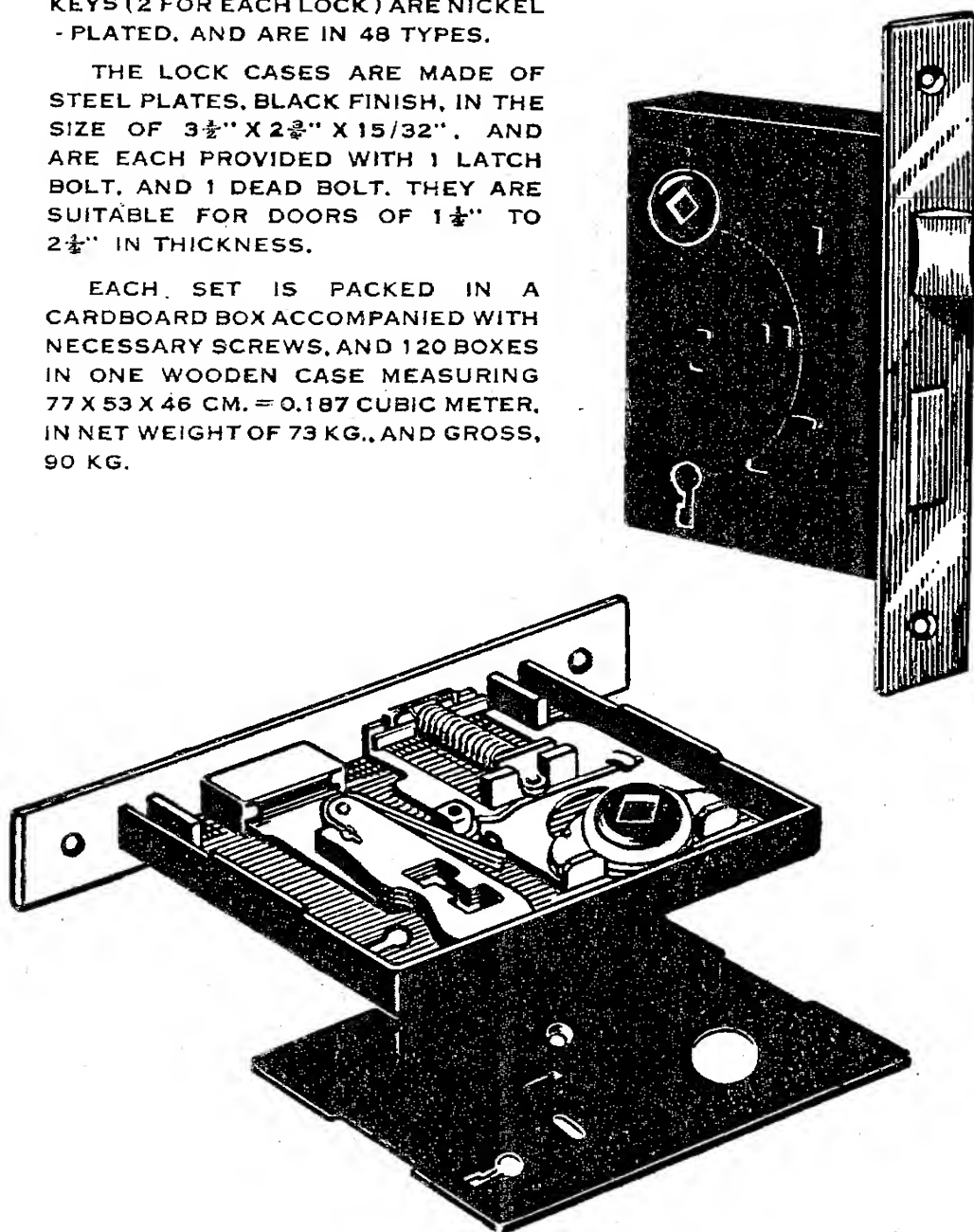
NO.208

*Bronze Plated
Inside Door Locks*

THE DOOR LOCKS OF "YUNG SUN" BRAND NO. 208 POSSESS A SHINING LUSTER, AS ALL THEIR EXTERIOR PARTS ARE BRONZE-PLATED. THE KEYS (2 FOR EACH LOCK) ARE NICKEL-PLATED, AND ARE IN 48 TYPES.

THE LOCK CASES ARE MADE OF STEEL PLATES, BLACK FINISH, IN THE SIZE OF $3\frac{1}{2}$ " X $2\frac{3}{4}$ " X $\frac{15}{32}$ ", AND ARE EACH PROVIDED WITH 1 LATCH BOLT, AND 1 DEAD BOLT. THEY ARE SUITABLE FOR DOORS OF $1\frac{1}{2}$ " TO $2\frac{1}{4}$ " IN THICKNESS.

EACH SET IS PACKED IN A CARDBOARD BOX ACCOMPANIED WITH NECESSARY SCREWS, AND 120 BOXES IN ONE WOODEN CASE MEASURING 77 X 53 X 46 CM. = 0.187 CUBIC METER, IN NET WEIGHT OF 73 KG., AND GROSS, 90 KG.



CHINA NATIONAL SUNDRIES EXPORT CORPORATION

HEAD OFFICE: 32 (A) CHIU TIAO HUTUNG, EAST CITY, PEKING, CHINA

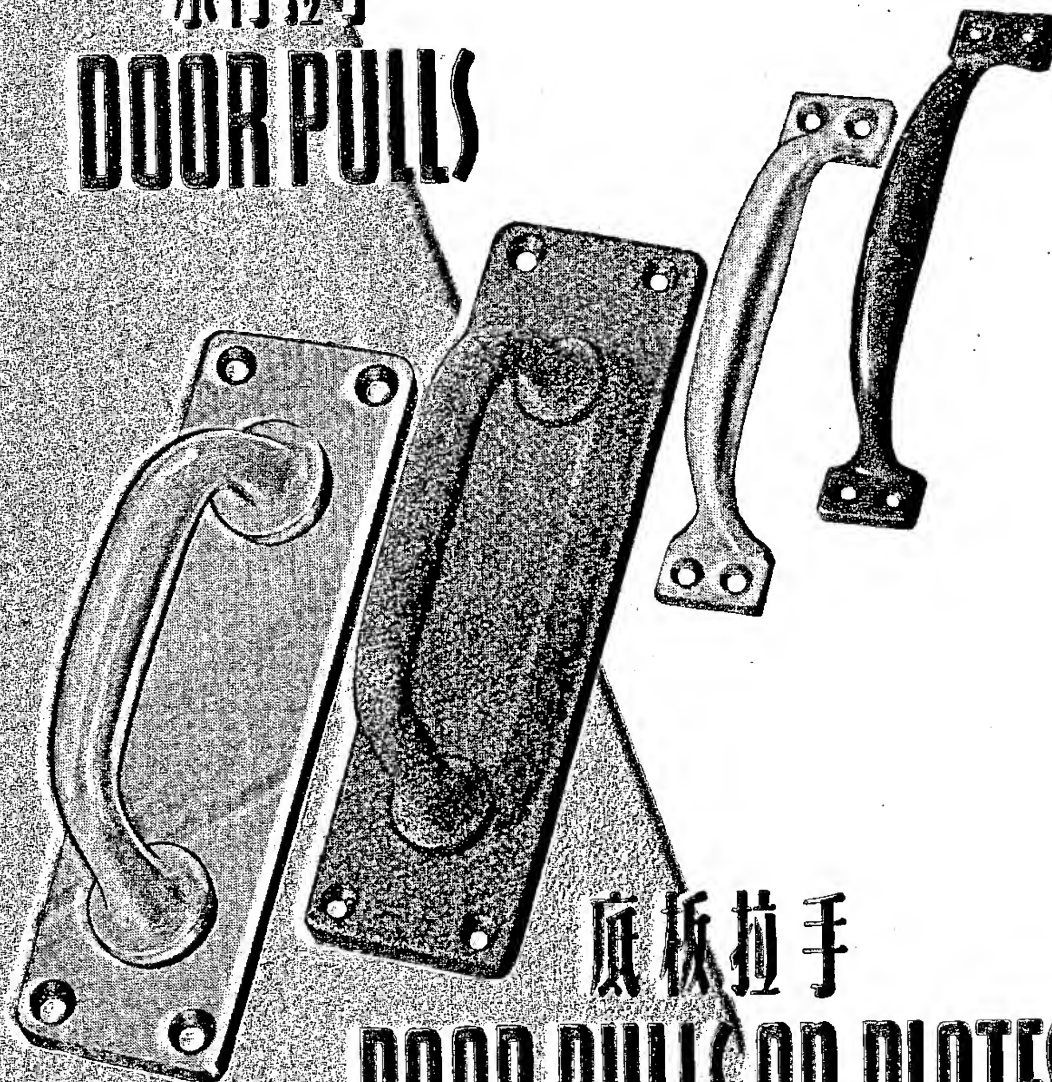
CABLE ADDRESS: "SUNDRY" PEKING

SHANGHAI BRANCH: 27 CHUNG SHAN ROAD E1, SHANGHAI, CHINA

CABLE ADDRESS: "SUNDRY" SHANGHAI



小門拉手
DOOR PULLS



底板拉手
DOOR PULLS ON PLATES
for use on doors of various sizes.

中國雜品出口公司
CHINA NATIONAL SUNDRIES EXPORT CORPORATION

P A C K I N G

Specification	Contents	Measurement in cm.			Weight in kg.	
	Per Case	L	M	H	Gross	Net
生鉄鍍底板拉手 Cast Iron Pulls Chrome Plates						
6"	50 Pairs	40	36	28	44	36
8"	50 ,,	50	36	31	56	46.5
10"	50 ,,	61	39	35	77	64.5
12"	50 ,,	70	40	36	92.5	78.5
烘漆底板拉手 Pulls with Plates black Japanned						
6"	100 Pairs	56	39	36	42	32.5
8"	50 ,,	58	28	39	35	27
10"	50 ,,	63	48	38	62	52
12"	50 ,,	70	48	39	73	61
生鉄小拉手 Cast Iron Door Pulls (Chrome or black Japanned)						
3"	100 doz.	48	26	29	21	17
4"	50 ,,	62	20	33	20	15
5"	50 ,,	75	25	38	31	24
6"	50 ,,	87	27	45	50	40
小拉手 Door Pulls (Chrome or black Japanned)						
4"	50 doz.	57	37	26	49	40
5"	50 ,,	59	31	40	73	62
6"	50 ,,	65	37	39	88	76

CHINA NATIONAL SUNDRIES EXPORT CORPORATION

Head Office 32 A Chiu Tiao Hutung, East City, Peking, China

Cable Address: "SUNDRY" Peking

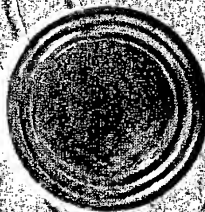
Shanghai Branch 27 Chung Shan Road E1, Shanghai, China

Cable Address: "SUNDRY" Shanghai

利用門鎖

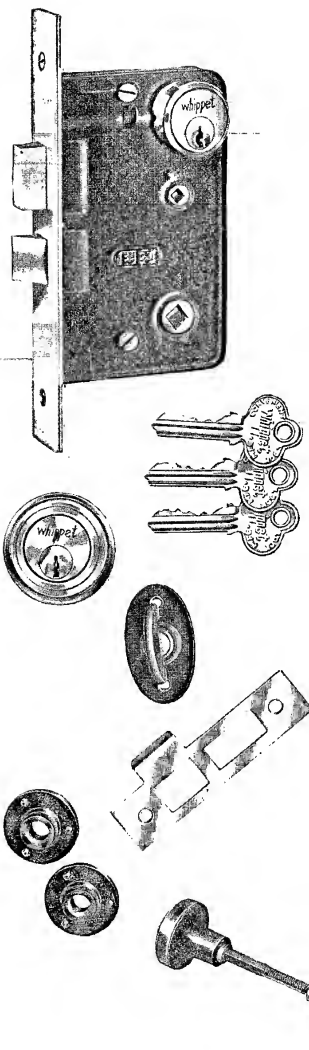


whippet DOOR LOCKS



MADE IN CHINA

3676255



whippet

No. 276

(for inside or outside doors of $1\frac{1}{2}$ " to 2" in thickness)

Cylinder & Keys:

Brass, 5 pin-tumbler with 3 Keys.

Case:

Iron, black finish, $5\frac{5}{8}" \times 2\frac{1}{8}" \times \frac{3}{4}"$ fitted with 1 strike.

Front & Knobs:

Front, strongly constructed. 1 Spindle Knob & 1 Thumb Knob (both made of bakelite).

Bolts:

1 Latch & 1 Dead Bolt.

Packed:

1 to a cardboard box with Screws & fitting instructions.

DOOR LOCKS

No. 257

(for inside doors of $1\frac{1}{2}"$ to 2" in thickness)

Cylinder & Keys:

Brass, 5 pin-tumbler with 3 Keys.

Case:

Iron, black finish, $4\frac{3}{8}" \times 3\frac{3}{4}" \times \frac{3}{4}"$ fitted with 1 strike.

Front & Knob:

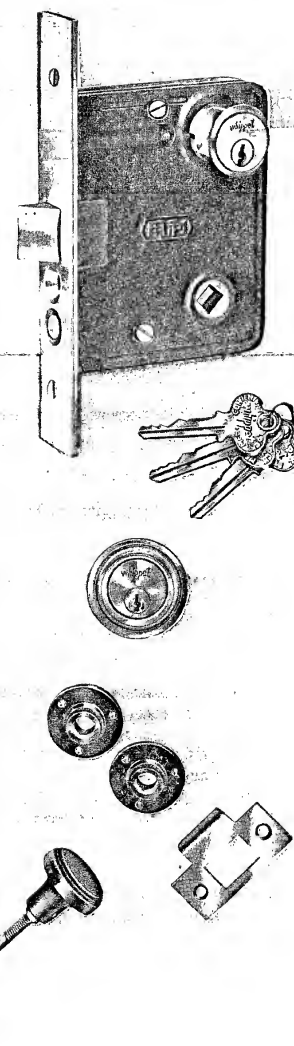
Front, strongly constructed. Spindle Knob made of bakelite.

Bolt & Buttons:

1 Latch Bolt. 2 Push Buttons (when the upper button is pushed in, the spindle knob becomes unturnable and the lock can only be opened with the key provided. But when the lower button is pushed in, the upper one is automatically set back to its original position and the spindle knob turns as usual.

Packed:

1 to a cardboard box with Screws & fitting instructions.



No.	Contents per case (doz)	Measurements of case (cm.)			Weight (kg.)	
		length	width	height	gross	net
257	5	63	48	47	92	78
276	5	64	50	55	101	85

CHINA NATIONAL SUNDRIES EXPORT CORPORATION

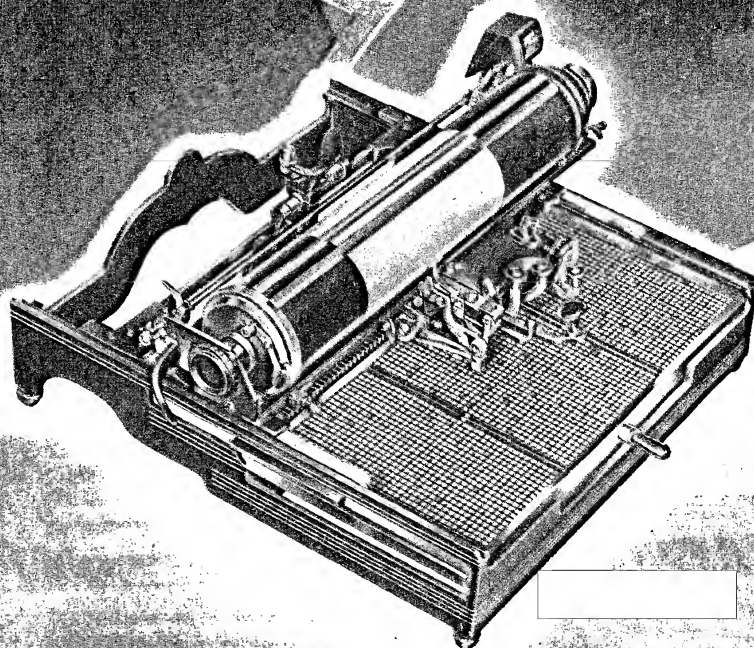
HEAD OFFICE: 32 (A) CHIU TIAO HUTUNG, EAST CITY, PEKING, CHINA

CABLE ADDRESS: "SUNDRY" PEKING

SHANGHAI BRANCH: 27 CHUNG SHAN ROAD E1, SHANGHAI, CHINA

CABLE ADDRESS: "SUNDRY" SHANGHAI

萬能式中文打字机



25X1

目 錄

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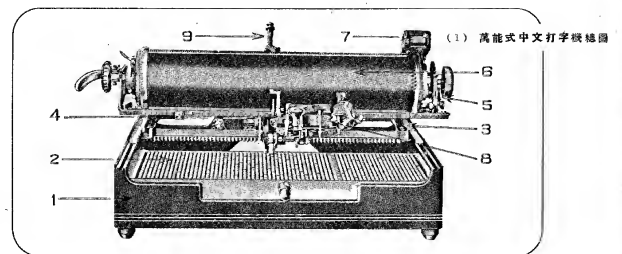
內 容 介 紹

萬能式中文打字機是目前流行的一種中文打字機。打出的文件有整齊、美觀、清楚、快捷的特點，是代印信用的文化用品。

本書內常用圖解和文字說明各主要部份的名稱、效用、使用法等，以供參考。圖中有少數部份機件與各型號在產品形式上略有不同，但它的效用是一樣的，今後當逐步完善。

圖中所註的號碼：機架是指機架的號碼；機架白字加●係透明的機架；美國型機架加油的標記。機件圖號和機件名稱是依據上海市打字機製造工廠統一標準。

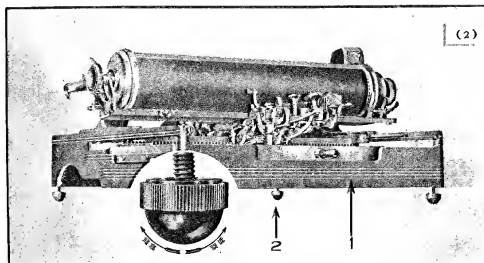
一九五六年六月再版



九 部 份 名 稱	1	2	3	4	5	6	7	8	9
機架	字架	拖板	機架	滾筒	滾筒	直格	橫格	劃綫器	

說 明：

萬能式中文打字機分九個部份：機架為機架部份的基座，字架用以裝掛字架，拖板是為機架運轉的，機架上裝有打字架本動作的機件，滾筒架裝於機架上，滾筒上有滾筒，以備機架運轉，直格專司劃綫運轉，橫格可左右橫行，二著都是推動機架運轉的。劃綫器是一件附屬機件。



(2) 機架調節水平圖

號次	機件編號	機件名稱
1	1/0-1	機架
2	1/0-3	機脚

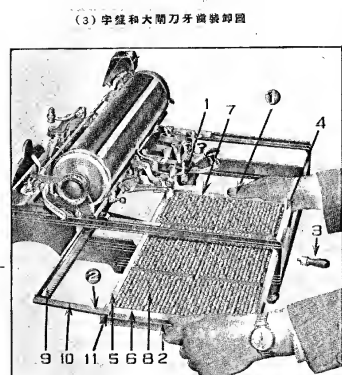
說明：
機架是生鐵鑄成，如重量大，容易變形。機架的力為了生鐵的不足加工。因此，在裝機時應特別注意機架的平度。機架必須調成水平，才得繼續裝機。

放電機時，首先要注意的是水平，如因四足高低不等，就有傾斜現象，可調至機架，調至水平。要調機架是否水平，可將機架，推到中流放中，機身沒有偏向任何一方活動的現象，機架即正，便得繼續。

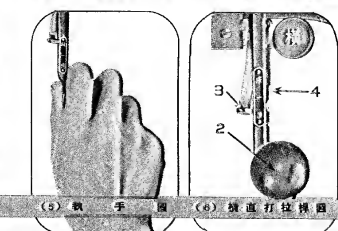
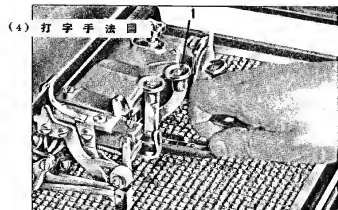
號次	機件編號	機件名稱
1	1/0-7	機架彈子盤
2	2/0-6	字盤框開刀機
3	2/0-9	字盤框推手柄
4	2/0-1	字盤框前鐵板
5	2/0-2	字盤框後鐵板
6	2/0-3	字盤框左鐵板
7	2/0-4	字盤框右鐵板
8	2/0-12	字盤
9	3/0-14	大開刀牙齒
10	3/0-14-2	大開刀牙齒角尺板
11	3/0-14-5	大開刀牙齒角尺板轉輪

說明：

- ①字盤的結構以前後左右四塊鐵板包圍而成。裝卸字盤時要在機架彈子盤和轉輪上自右向左平直移動，可免損壞字盤。
- ②大開刀牙齒角尺板放入字盤框開刀機中後，裝上字盤推字機。
- ③字盤係由鐵片插布而成。當與字盤推入字盤時，不可推動字盤或機件，否則，易使字盤鐵片損壞。



(3) 字盤和大開刀牙齒裝卸圖



說明：

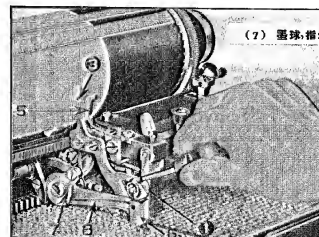
①打字法：用食指前指橫拉；左移海中指；右移用中指；右移則中指並用。這種打字法比較省力而容易掌握。

②橫直打拉桿作用：拉桿放在「橫」字邊，打字就走橫格；拉桿放在「直」字邊，打字就走直格；拉桿放在中機邊，打字時橫直都不走格，但可兼打。如先打「」，再打「2」，就成「2」。

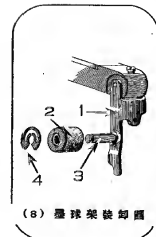
注意：拉動拉桿要注意不可使壓手桿動，然後把拉桿拉到機邊後再動（見圖61）機邊下面，將機打。

③直打空格：按機邊，提一下，就是空一個字間，需要空自多少字間，就提多少次。

號次	機件編號	機件名稱
1	4/4-16	縱 絲
2	4/4-7	撥 手 桿 柄
3	4/4-12	橫 直 打 拉 桿
4	4/4-1-7	橫 直 小 牌 子



(7) 墨球、撥示標針圖



(8) 墨球架裝卸圖

說明：

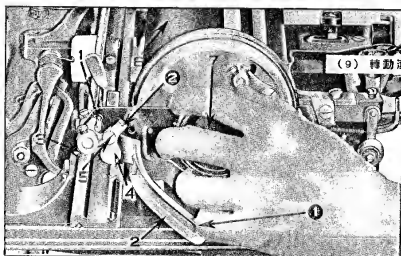
①墨球上墨要均勻適量。

②墨球使用日久，就面凹損，影響測字打上和顏色。換新墨球用細子向上拉去墨球夾，就可進行換球。

③指示標針的用途：上方機件用來校正字位；機上的標針，可用它來測知字行距離。

注意：字鍵方孔是卡住測字的所在，很容易積塵污垢，積塵測字上下，因此要經常用布條擦入方孔擦拭乾淨。

號次	機件編號	機件名稱
1	4/10-1	墨 球 架
2	4/10-5	墨 球
3	4/10-6	墨 球 絲
4	4/10-7	墨 球 夾
5	4/9-1	指 示 標 針
6	4/8-1-1	字 鍵 軸
7	4/8-6	字 鍵 橋 子 板
8	4/8-7	字 鍵 卡 字 桿

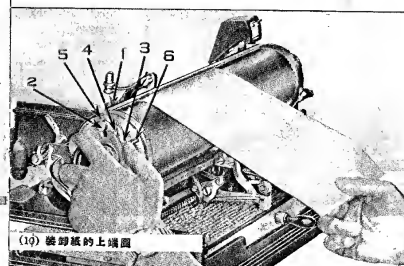


(9) 轉動滾筒及直離格圖

號次	機件編號	機件名稱
1	5/1—2	直離格器結頭螺絲
2	5/9-1-3	直離格器把手
3	5/9—2	直離格器座蓋筒支頭螺絲
4	5/9—3	直離格器小輪把
5	5/9—4	直離格器小輪把彈簧螺絲
6	6/1—1	滾筒
7	6/5—6	滾筒軸把手

說明:

- ①用左手小指按下直離格器把手，使直離格輪與滾筒大齒輪，（名直離格）同時
 除齒即可將紙捲開，進行裝紙等工作。
 ②需要裝入直離格時如卸齒輪時，先按下直離格器把手，再將小輪把，使接合在直
 離格器齒輪上。不需裝時，仍按把手，小輪把就會自動脫離。
 注意：直離格器由齒輪支頭螺絲是支持兩格作用的機件，不能無故鬆過，否則直離
 格就失去作用。



(10) 裝卸紙的上端圖

說明:

- 裝卸紙的上端：
 ①按下左手，上壓紙尺升起，同時鋼皮板自動彈出，完成裝紙，
 以便裝紙。
 ②拿紙尺到尺下開隙處，推進鋼皮板，到手則原，上壓紙尺也彈下
 開隙，夾牢紙的上端。
 ③拿紙尺下，放鬆鋼皮板，使下壓紙尺向上，再壓紙的下端。
 注意：上壓紙尺升降得靠手齒筒支頭螺絲是支持上壓紙尺升降的。
 為此，這螺絲是不可隨便加以拆動，否則，上壓紙尺就不會
 全部升起。

號次	機件編號	機件名稱
1	6/2—1	上壓紙尺
2	6/2—3	上壓紙尺升降桿
3	6/2—4	上壓紙尺升降桿 手齒筒螺絲
4	6/2—5	上壓紙尺升降桿 手齒筒螺絲
5	6/2—6	上壓紙尺升降桿 手齒筒螺絲
6	6/2—7	上壓紙尺升降桿 手齒筒螺絲

號次	機件編號	機件名稱
1	6/1-3	右門頭定位牙齒
2	6/3-4-4	下壓紙尺定位栓
3	6/3-1	下壓紙尺彈簧
4	6/3-4	下壓紙尺

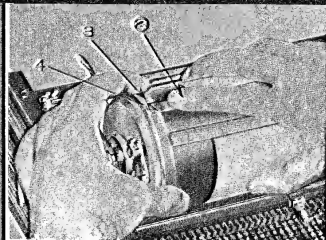
說明:

①就卸紙的下端，用右手食指按住下壓紙尺左端，左手旋轉或圓，使下壓紙尺從機體的口中拉出，就可使卸紙的下端。

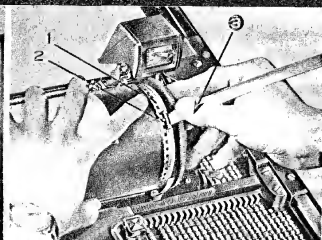
②注意下壓紙尺拉出時，應帶右手按住，待後拉開，如圖(12)與彈簧彈回。

③移動下壓紙尺來配合紙的長度，首先旋轉了微動盤，其次旋轉(11)手，把下壓紙尺向右移動，迫使定位齒與定位牙齒，把紙端拉到所需地位而停止。然後使定位齒與定位牙齒接觸，把尺離半紙的下端。

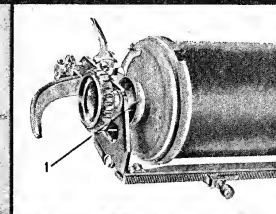
(12) 卸紙紙的下端圖



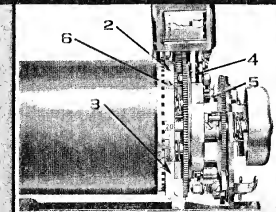
(13) 下壓紙尺移動圖



(13) 微動盤圖



(14) 微動盤圖

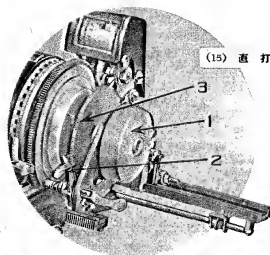


號次	機件編號	機件名稱
1	6/5-1-1	微動盤
2	6/3-2	直打刺皮板
3	6/3-1	直打刺皮板針
4	6/4-1-1	滾筒大齒輪(180牙)
5	6/4-1-2	滾筒大齒輪板
6	6/4-7	微動彈簧

說明:

當使滾筒向左右微動，可旋轉在滾筒左側的微動盤。微動盤的長度，約為一個字大小。微動到底時，不可過份扭緊，以免損壞機件。

進行微動操作，儘可能使滾筒停留在微動盤的中部，以便隨時可向左右作微動。機打紙後，須注意微盤位置，不應會使各字參差不齊。

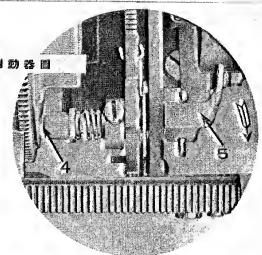


(15) 直打定位圖

號次	機件編號	機件名稱
1	5/8—6	鈴
2	5/7—1	直打定位撞牙
3	5/7—5	直打定位齒輪
4	5/9—1-1	直打鈴器鋼皮
5	5/9—2	橫打鈴器
6	5/9—3	打鈴彈簧
7	4/2—5	橫打鈴定位桿
8	4/2—10	橫打鈴器定位器
9	4/2—13	定位器移動彈簧

號次	機件編號	機件名稱
1	5/10—3	直打倒順板手
2	5/9—5	直打倒順桿
3	5/9—6	直打倒順桿移動裝置
4	5/6—2	直打制動器橡皮
5	5/6—4	直打制動器板手

(16) 直打制動器圖



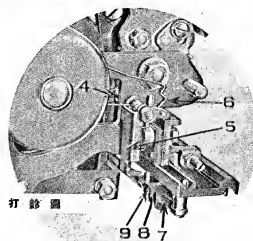
說明：

直打定位：裝轉速到所需打字的位置後，順旋到不能再轉止。或者按定位撞牙，同時繼續旋轉到所需打字的位置，按手使撞牙啮合，也可定位。

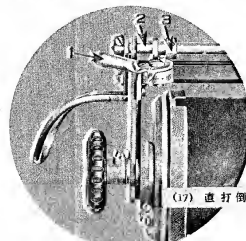
既經定位，換行時，只要繼續旋轉到不能再轉，本行就可平列一記。

直打鈴器：直打鈴器是隨下擺板移動而變更，在一行將要到底時，發出鈴聲，警告勿再繼續打字。

橫打鈴器係由活動定位撞牙及橫打鈴器組成。活動定位撞牙係由橫打鈴器位置來加以移動。方法用手向上推壓移動彈簧，即可左右移動。



(16) 直打機打鈴圖



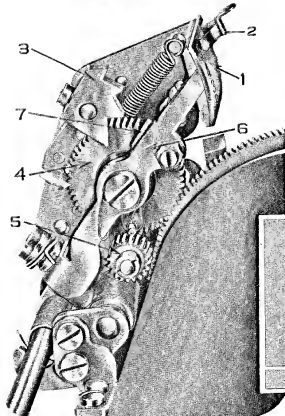
(17) 直打倒順板手圖

說明：

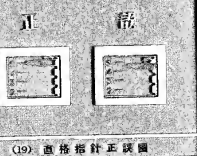
直打倒順板手：在「開」字時，可從上而下的翻打，按在「倒」字時，自下而上的翻打，如欲在倒打之間，設法不能翻打，也不能翻打。須把它扳平，價格才能走後。

利用橫打制動器與直打大齒輪，同時穩定住了直打板（包括分機件）可能與倒字不在同一面上，以便進行對號或打字在後的中間等工作。使用時，扳開倒打方向與制動器的板手，使皮便與大齒輪，發生制止旋轉作用。因板手，橡皮就脫離，作用也失效。

(20) 直格卸除罩壳圖



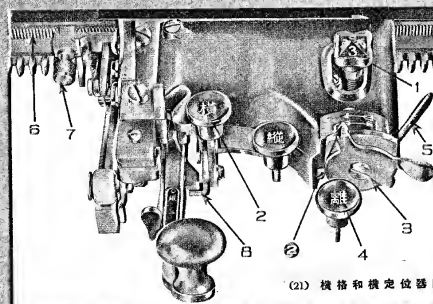
號次	機件編號	機件名稱
1	7/2-1-2	直格分格面板
2	7/4-1	直格彈針
3	7/4-3	直格分格板
4	7/5-1	直格55牙齒輪
5	7/6-7	直格20牙齒輪
6	7/7-1	直格走格控制架
7	7/7-4	直格走格控制架副板



(19) 直格彈針正誤圖

說明:

- ①直格分格 有2 3 4 5四種，要空打打手開和機打行間的格數，可將直格彈針拆下，裝時應將彈針向右手，也不可將彈針拆下，否則，直格分格不准，甚至不走格。
- ②直格加油 必先盤去彈針，卸下彈針，在各制齒輪和彈針部分，加少量機油。裝上彈針時，必須注意彈針在分格圖板上的位置，要正確無誤。
- ③直格分格就是規定直格走格的標準，如果有了變動，給制齒輪或彈針時，就不能恰切地填入所需要的牙數，走格就會發生錯誤。

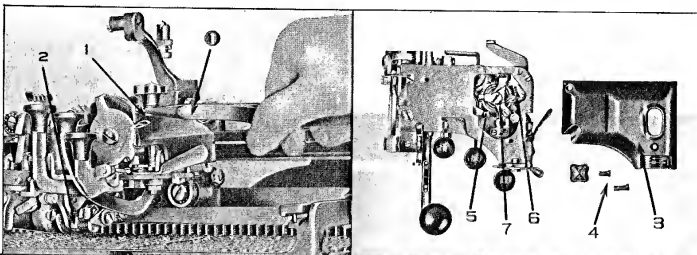


(21) 機格和機定位器圖

號次	機件編號	機件名稱
1	8/7-1	橫格分格板
2	8/11-1	橫格
3	8/14-1	橫打左右彈針
4	8/15-1	橫格
5	8/15-4	橫格小控把
6	5/2-1	百腳牙齒輪
7	附屬機件	橫打定位器
8	8/12-1	橫格推動板

說明:

- ①橫格分格有2 3 4 5四種，可旋轉齒輪來確定。如圖示分格板的位置是定橫打三格半，也就是直打三格行間。
- ②橫打定間可旋轉打左右彈針，指前左，向左橫打，指前右，向右橫打。彈針不足，橫格不走格。
- ③移動橫格，按下橫格彈針(右側彈針)使橫格齒輪咬合百腳牙齒，即可移動橫格。進行如下動作及調整等動作。
- 當彈針咬合橫格時，先盤齒輪，再將小齒輪向前，使它咬合在彈針齒輪上，就可移動橫格。不需盤時，仍盤彈針，小齒輪會自動復位。
- ④橫打齒輪可旋轉，盤一下，空一盤字即盤好。
- 橫打橫行，彈針盤好，定打即起。參照圖(18)說明。
- ⑤橫打定位，盤好橫打定後，盤好，盤到百腳牙齒上實齒輪的位置，盤好後，便於彈針和機身齒輪的設置固定起來，橫打每行都會一致。



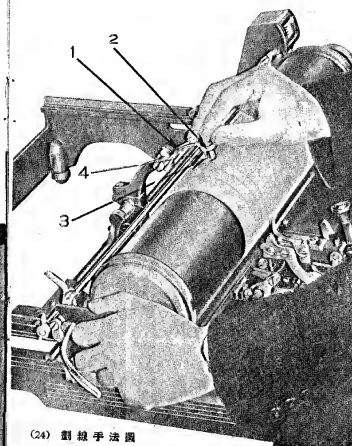
(22) 橫格罩殼裝卸圖

(23) 橫格卸除罩殼圖

號次	機件編號	機件名稱
1	B/7-2	橫格分格螺絲帽
2	B/13-7	橫格小開刀轉軸
3	B/1-1	橫格罩殼
4	B/1-2	橫格罩殼螺絲
5	B/5-1	橫格第二88牙齒輪
6	B/8-1	橫格撐杆
7	B/9-1	橫格走格控制架

說明:

- 橫格罩殼卸法 ①先將罩殼分格下面的螺絲帽。
 ②取下分格。
 ③按圖解法，使橫打左右轉軸可以拆到罩殼的右外側。
 ④取出罩殼後，拿掉罩殼。
 橫格罩殼裝法 ①將罩殼先裝上，裝螺絲時，要注意左螺絲。
 ②把分格裝上，其位置必須和裝下時相符合，然後把螺絲帽向上和分格裝好。
 ③最後使橫打左右轉軸恢復原狀。
 注意：橫格罩殼內須添入潤滑油，以免磨損齒輪運轉。



(24) 劃線手法圖

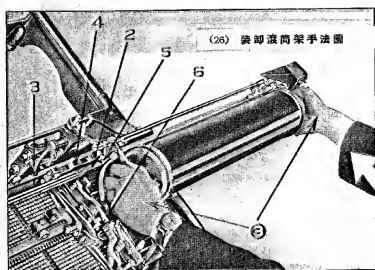
說明:

- ①劃線之前，應將罩殼上部，旋到劃線轉軸上的空位間，見圖24。罩殼上劃線時不需用油。
 ②劃線時，先將轉軸旋成90度直向，再定住直線轉軸。與圖示方式，左手旋轉罩殼，右手按下列轉軸轉動，即可劃直線。
 劃線時將轉軸旋90度成度，定住轉軸後，再以左手移動罩殼，右手按下列轉軸轉動。
 按圖解法的圖示，以能劃出直線而不破壞直線度。並須注意直線與平直直線和轉軸的直法。
 ③劃線時，劃線轉軸應是轉軸的（最邊）不得劃直線，只須將轉軸旋轉180度來再劃一次，便成雙線。

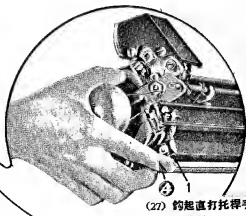


(25) 劃雙線圖

號次	機件編號	機件名稱
1	B/0-3	劃線桿
2	B/0-7-1	劃線器轉軸座
3	B/0-7-2	劃線器轉軸
4	B/0-9	劃線壓條



(26) 裝卸彈筒架手法圖



(27) 鈎匙直打托桿手法圖

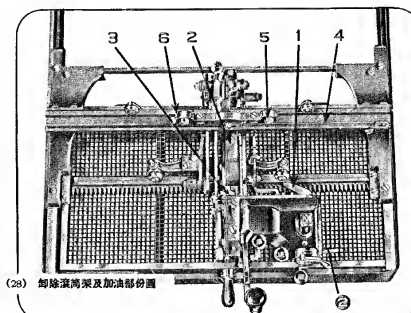
說明：

- 裝卸彈筒架的步驟：
 ①把彈子從彈筒架26放在彈筒三角槽軌的右邊。
 ②把彈子從彈筒架26放在彈筒三角槽軌的右邊。
 ③把彈筒架26放在彈筒三角槽軌的右邊。
 ④把彈筒架26放在彈筒三角槽軌的右邊。
 ⑤把彈筒架26放在彈筒三角槽軌的右邊。
 ⑥把彈筒架26放在彈筒三角槽軌的右邊。

號次	機件編號	機件名稱
1	5/5—1	直打托桿
2	4/2—3	彈筒三角槽軌彈子
3	4/2—1	彈筒三角槽軌
4	4/3—1	彈筒三角槽軌彈子
5	4/3—3	彈筒三角槽軌彈子
6	4/1—3	彈筒三角槽軌

彈筒三角槽軌
 機身托架彈子盤
 彈筒架彈子盤
 大開刀牙齒及轉軸
 大開刀牙齒及轉軸
 頂針大差筒
 機身托架彈子盤

號次	機件編號	機件名稱
1	8/16—1	橫打防止滑牙鉤
2	4/1—2-1	直打托桿螺絲
3	4/1—3	彈筒架彈子盤
4	4/2—3	彈筒三角槽軌彈子
5	4/3—3	彈筒三角槽軌彈子
6	4/3—4	彈筒三角槽軌彈子



(28) 卸除彈筒架及加油部份圖

說明：

- 拆卸彈筒架的步驟：
 ①把彈筒架26從彈筒三角槽軌的右邊取下。
 ②把彈筒架26從彈筒三角槽軌的右邊取下。
 ③把彈筒架26從彈筒三角槽軌的右邊取下。
 ④把彈筒架26從彈筒三角槽軌的右邊取下。
 ⑤把彈筒架26從彈筒三角槽軌的右邊取下。
 ⑥把彈筒架26從彈筒三角槽軌的右邊取下。

價格打法 打價格，先劃線，後打字，比較容易有把握。但在劃線時，對格子的尺寸，應以要打的字數為依據，可隨字打出格外。

複寫打法 打複寫的方法，以字的筆劃和複寫份數的多少分別輕重。復原注意：1. 複寫紙應從下面墊紙上面放好。位置才得上一致。2. 打有複寫紙多份時，為了紙疊的關係，要防它下面幾張打出格線。3. 打劃線時，只取紙下面，取出全部紙後，從後一張抽起。4. 凡文件複用份數須複寫二次以上的，不如打一次複寫紙來印，在人力、物力、時間上較為節約。

紙張打法 打紙張與普通打法一樣，一般在紙張下墊複寫紙，打後擦去，使字印劃清楚，印出字跡一定清楚。不過打紙張時應注意字跡，勿重疊。

字句偶或打錯，可用修正液塗改重打，或再打一份用乾粉方式以紙紙膠水接補上去。

要印大量文件，估計一張紙紙不能印時，可用兩張紙一次打成，但須用力擦去。

紙張油印方法和一般油印相同，但油印品質的優劣有關於成紙，要特別注意。

保養說明

1. 保管 保管打字機，最好做到專機專用，由使用者自己保管，比較妥當。凡有修養德識和經驗，請勿隨便再動。既無先從了解機件結構和參考有關書籍入手，則保全工作才有幫助。

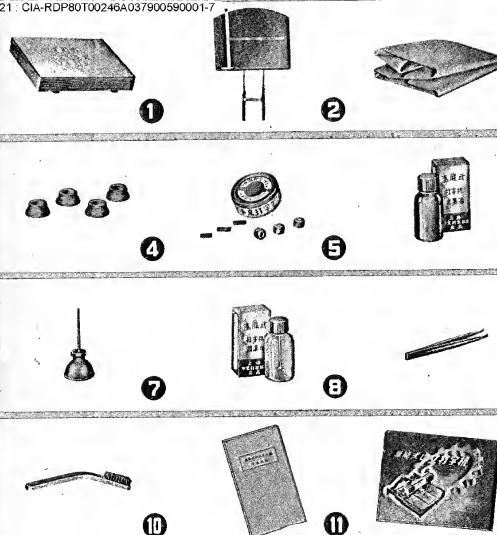
2. 修護 機件方面：經常在外露的機件或膠水處，用乾布擦拭，電機部份可用油布擦，以免氧化生銹。內部不暴露到部份，用長毛刷清除灰塵。此外，在機件運轉時，應注意其發熱、發震、發聲等異常現象，應即停止運轉。關於機件和字機方面：機件運轉時，應注意其發熱、發震、發聲等異常現象，應即停止運轉。關於機件和字機方面：機件運轉時，應注意其發熱、發震、發聲等異常現象，應即停止運轉。

3. 注油 注油的目的，在使機件運轉靈活，可見潤滑。所以凡機件運轉的接觸點和受磨擦的地方都要加油。機件運轉時，應注意其發熱、發震、發聲等異常現象，應即停止運轉。

打字機潤滑用的機油，須油質純潔而不易揮發，不含雜質及酸性成分。

附屬品說明

號次	品名	數量	用途說明
1	價用字	2	分第一第二兩款，各附11716代碼字。
2	原稿合	1	裝在機架後面，負責編碼。原稿可以隨時翻閱，指示字行。
3	機架	1	裝在機架後面，負責編碼。
4	機架腳	4	機架底座，支撐機架。
5	墨球墨條	6	備用替換用。
6	墨油	1	機架墨條上色之用。
7	油彈	1	機架墨條上色之用。
8	機油	1	防止生鏽潤滑機件。
9	字機	1	指取機字用的。
10	毛刷	1	用以清除機件，潤滑機件。
11	索引	1	查閱機字用的。
12	說明書	1	學習打字參考資料。



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